

PUBLIC NOTICE
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY (LDEQ)
THE DOW CHEMICAL COMPANY - LOUISIANA OPERATIONS
ENVIRONMENTAL OPERATIONS PLANT
PROPOSED PART 70 AIR OPERATING PERMIT MODIFICATION

The LDEQ, Office of Environmental Services, is accepting written comments on the proposed Part 70 air operating permit modification for The Dow Chemical Company – Louisiana Operations, Post Office Box 150, Plaquemine, Louisiana 70765 for the Environmental Operations Plant. **The facility is located at 21255 Highway 1, Plaquemine, Iberville Parish.**

This Notice is being published under LAC 33:III.5107.D public notice requirements only. This proposed permit does not require to be reviewed by EPA.

The Dow Chemical Company – Louisiana Operations requested the following:

- Delete I-200 Rotary Kiln Incinerator (EQT452), Incinerator Area Fugitive emissions (Fug12), two storage tanks (EQT475-476), and GRP071;
- Include Insignificant Activity for a belt press tank;
- List EQT838 for Tank T-3B Storage Tank instead of EQT495;
- Reconcile source emissions based on the most current emission estimating methodology.

Permitted emissions from the plants in tons per year are as follows:

Pollutant	Before	After	Change
PM ₁₀	39.1	35.41	-3.69
SO ₂	24.5	0.80	-23.70
NO _x	113.0	78.10	-34.90
CO	46.3	18.30	-28.00
VOC	54.4	72.63	+18.23

A technical review of the working draft of the proposed permit was submitted to the facility representative and the LDEQ Surveillance Division. Any remarks received during the technical review will be addressed in the “Worksheet for Technical Review of Working Draft of Proposed Permit”. All remarks received by LDEQ are included in the record that is available for public review.

Written comments, written requests for a public hearing or written requests for notification of the final decision regarding this permit action may be submitted to Ms. Soumaya Ghosn at LDEQ, Public Participation Group, P.O. Box 4313, Baton Rouge, LA 70821-4313. **Written comments and/or written requests must be received by 12:30 p.m., Tuesday, November 10, 2009.** Written comments will be considered prior to a final permit decision.

If LDEQ finds a significant degree of public interest, a public hearing will be held. LDEQ will send notification of the final permit decision to the applicant and to each person who has submitted written comments or a written request for notification of the final decision.

The permit application, the proposed permit, and the statement of basis are available for review at the LDEQ, Public Records Center, Room 127, 602 North 5th Street, Baton Rouge, LA. Viewing hours are from 8:00 a.m. to 4:30 p.m., Monday through Friday (except holidays). **The available information can also be accessed electronically on the Electronic Document Management System (EDMS) on the DEQ public website at www.deq.louisiana.gov.**

Additional copies may be reviewed at the Iberville Parish Library-Headquarters, 24605 J Gerald Berret Blvd., Plaquemine, LA 70764 and the West Baton Rouge Parish Library-Headquarters, 830 North Alexander, Port Allen, LA 70767.

Inquiries or requests for additional information regarding this permit action should be directed to Tuongvan Nguyen, LDEQ, Air Permits Division, P.O. Box 4313, Baton Rouge, LA 70821-4313, phone (225) 219-3054.

Persons wishing to be included on the LDEQ permit public notice mailing list or for other public participation related questions should contact the Public Participation Group in writing at LDEQ, P.O. Box 4313, Baton Rouge, LA 70821-4313, by email at deqmailistrequest@la.gov or contact the LDEQ Customer Service Center at (225) 219-LDEQ (219-5337).

Permit public notices including electronic access to the proposed permit and statement of basis can be viewed at the LDEQ permits public notice webpage at www.deq.louisiana.gov/apps/pubNotice/default.asp and general information related to the public participation in permitting activities can be viewed at www.deq.louisiana.gov/portal/tabid/2198/Default.aspx.

Alternatively, individuals may elect to receive the permit public notices via email by subscribing to the LDEQ permits public notice List Server at http://www.doa.louisiana.gov/oes/listservpage/ldeq_pn_listserv.htm.

All correspondence should specify AI Number 1409, Permit Number P2190-V1, and Activity Number PER20090004.

Scheduled for publication: Thursday, October 8, 2009

BOBBY JINDAL
GOVERNOR



HAROLD LEGGETT, PH.D.
SECRETARY

State of Louisiana
DEPARTMENT OF ENVIRONMENTAL QUALITY
ENVIRONMENTAL SERVICES

Certified Mail No.

Agency Interest No. 1409
Activity No.: PER20090004

Mr. Joseph M. Hanna
The Dow Chemical Company
P. O. Box 150
Plaquemine, LA 70765-0150

RE: Part 70 Operating Permit, Environmental Operations Plant (EOP), The Dow Chemical Company,
Plaquemine, Iberville Parish, Louisiana

Dear Mr. Hanna:

This is to inform you that the permit modification for the above referenced facility has been approved under LAC 33:III.501. The permit is both a state preconstruction and Part 70 Operating Permit. The submittal was approved on the basis of the emissions reported and the approval in no way guarantees the design scheme presented will be capable of controlling the emissions as to the types and quantities stated. A new application must be submitted if the reported emissions are exceeded after operations begin. The synopsis, data sheets and conditions are attached herewith.

It will be considered a violation of the permit if all proposed control measures and/or equipment are not installed and properly operated and maintained as specified in the application.

Operation of this facility is hereby authorized under the terms and conditions of this permit. This authorization shall expire at midnight on the 31st of May, 2011, unless a timely and complete renewal application has been submitted six months prior to expiration. Terms and conditions of this permit shall remain in effect until such time as the permitting authority takes final action on the application for permit renewal. The permit number and agency interest number cited above should be referenced in future correspondence regarding this facility.

Please be advised that pursuant to provisions of the Environmental Quality Act and the Administrative Procedure Act, the Department may initiate review of a permit during its term. However, before it takes any action to modify, suspend or revoke a permit, the Department shall, in accordance with applicable statutes and regulations, notify the permittee by mail of the facts or operational conduct that warrant the intended action and provide the permittee with the opportunity to demonstrate compliance with all lawful requirements for the retention of the effective permit.

Done this _____ day of _____, 2009.

Permit No.: 2190-V1

Sincerely,

Cheryl Sonnier Nolan
Assistant Secretary
CSN:TVN
c: EPA Region VI

**AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

ENVIRONMENTAL OPERATIONS PLANT (EOP)

AGENCY INTEREST NO.: 1409

THE DOW CHEMICAL COMPANY

PLAQUEMINE, IBERVILLE PARISH, LOUISIANA

I. Background

The Dow Chemical Company (Dow) owns and operates the Environmental Operations Plant (EOP) at its Louisiana Operations near Plaquemine, Iberville Parish. Currently, the facility operates under Part 70 Operating Permit 2190-V0, dated May 31, 2006.

II. Origin

A permit application dated February 12, 2009, was submitted requesting a Part 70 operating permit modification

III. Description

The Environmental Operations Plant is comprised of the Wastewater Treatment Operating area, the "Block 49" Ground water Recovery area, and the Water Distribution area. The Rotary Kiln has been removed from service and dismantled. The Wastewater Treatment Operations area consists of three basic process sections and their associated equipment. The UHDE Bioreactor Train is a low volume, high-concentration biological degradation treatment system. The UNOX Bioreactor Train is a high volume, low concentration biological degradation unit. The "Block 49" Groundwater Recovery Plant is a groundwater recovery and phased separation system. The Water Distribution area includes the diesel water well pumps and water treatment chemicals and activities.

In this modification, Dow requested the following:

- Delete I-200 Rotary Kiln Incinerator (EQT452), Incinerator Area Fugitive emissions (Fug12), two storage tanks (EQT475-476), and Cap 3 for Kiln Feed Tanks (GRP071);
- Include Insignificant Activity for a belt press tank;
- List EQT838 for Tank T-3B Storage Tank instead of EQT495;
- Reconcile source emissions based on the most current emission estimating methodology.

Estimated emissions in tons per year are as follows:

Pollutant	Before	After	Change
PM ₁₀	39.1	35.41	-3.69
SO ₂	24.5	0.80	-23.70
NO _x	113.0	78.10	-34.90
CO	46.3	18.30	-28.00
VOC*	54.4	72.63	+18.23

AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

ENVIRONMENTAL OPERATIONS PLANT (EOP)
AGENCY INTEREST NO.: 1409
THE DOW CHEMICAL COMPANY
PLAQUEMINE, IBERVILLE PARISH, LOUISIANA

*VOC LAC 33:III Chapter 51 Toxic Air Pollutants (TAPs):			
Pollutant	Before	After	Change
1,1,2-Trichloroethane	< 0.01	<0.01	-
1,2-Dichloroethane	0.01	0.01	-
1,2-Dichloropropane	0.40	0.10	-0.30
1,3-Butadiene	0.04	<0.01	-0.04
1,2-Dichlorobenzene	< 0.01	-	-<0.01
1,4-Dichlorobenzene	0.08	0.08	-
1,4 Dioxane	-	0.03	+0.03
2,2-Dichlorodiethyl ether	-	0.04	+0.04
2,2,4-Trimethylpentane	0.01	-	-0.01
Acetaldehyde	0.71	0.69	-0.02
Acrolein	< 0.01	-	-<0.01
Acrylic Acid	0.19	-	-0.19
Allyl Chloride	< 0.01	-	-<0.01
Aniline	< 0.01	-	-<0.01
Benzene	0.03	<0.01	-0.03
Biphenyl	0.02	-	-0.02
Bromoform	0.01	0.01	-
Carbon Disulfide	< 0.01	<0.01	-
Carbon Tetrachloride	0.02	0.01	-0.01
Chlorobenzene	< 0.01	<0.001	-<0.01
Chloroform	0.07	0.09	+0.02
Diethanolamine	< 0.01	-	-<0.01
Dioxin/Furan	< 0.001	-	-<0.001
Epichlorohydrin	5.22	23.20	+17.98
Ethyl Acrylate	0.01	-	-0.01
Ethyl Benzene	< 0.01	-	<0.01
Ethylene Glycol	0.09	0.10	+0.01
Formaldehyde	< 0.01	<0.01	-
Hexachloro-1,3-Butadiene	< 0.01	<0.01	-
Hexachlorobenzene	< 0.01	-	-<0.01
Hexachloroethane	< 0.01	<0.01	-
n-Hexane	< 0.01	-	-<0.01
Methanol	4.25	8.74	+4.49
Methyl Bromide	0.15	0.11	-0.04

AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

ENVIRONMENTAL OPERATIONS PLANT (EOP)

AGENCY INTEREST NO.: 1409

THE DOW CHEMICAL COMPANY

PLAQUEMINE, IBERVILLE PARISH, LOUISIANA

*VOC LAC 33:III Chapter 51 Toxic Air Pollutants (TAPs):			
Pollutant	Before	After	Change
Methyl Chloride	1.80	1.92	+0.12
Methyl Ethyl Ketone	0.01	-	-0.01
Naphthalene	0.20	0.20	-
n-Butyl Alcohol	< 0.01	-	-<0.01
Phenol	< 0.01	-	-<0.01
Propionaldehyde	0.04	-	-0.04
Propylene Oxide	24.43	25.03	+0.60
Styrene	0.06	< 0.01	-0.06
Toluene	0.03	0.01	-0.02
Trichloroethylene	< 0.01	< 0.01	-
Triethylamine	< 0.01	-	-<0.01
Vinyl Chloride	0.01	0.01	-
Vinylidene Chloride	0.02	0.02	-
Xylene (mixed isomers)	0.02	-	-0.02
Total VOC TAPs	37.93	60.40	+22.47
Other VOCs	16.47	12.23	-4.24

Non-VOC LAC 33:III Chapter 51 Toxic Air Pollutants (TAPs):			
Pollutant	Before	After	Change
Ammonia	3.09	2.80	-0.29
Arsenic	0.01	-	-0.01
Beryllium (Table 51.1)	0.01	-	-0.01
Cadmium (and compounds)	0.01	-	-0.01
Chlorine	11.84	0.14	-11.70
Chromium VI (and compounds)	0.01	-	-0.01
Dichloromethane	0.64	0.01	-0.63
Hydrochloric Acid	25.85	2.25	-23.60
Hydrogen Fluoride	< 0.01	-	-<0.01
Hydrogen Sulfide	0.01	-	-0.01
Lead compounds	0.10	-	-0.10
Mercury (and compounds)	< 0.01	-	-<0.01
Sulfuric Acid	0.80	0.11	-0.69
Tetrachloroethylene	0.02	-	-0.02
1,1,1-Trichloroethane	0.04	-	-0.04
Total Non-VOC TAPs	42.43	5.31	-37.12

**AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**ENVIRONMENTAL OPERATIONS PLANT (EOP)
AGENCY INTEREST NO.: 1409
THE DOW CHEMICAL COMPANY
PLAQUEMINE, IBERVILLE PARISH, LOUISIANA**

IV. Type of Review

This permit was reviewed for compliance with 40 CFR 70, the Louisiana Air Quality Regulations, New Source Performance Standards (NSPS), and National Emission Standards for Hazardous Air Pollutants (NESHAP). Prevention of Significant Deterioration (PSD) and Non-attainment New Source Review (NNSR) do not apply.

This facility is a major source of toxic air pollutants (TAPs) pursuant to LAC 33:III.Chapter 51. Emissions of Epichlorohydrin and Propylene Oxide increase in this permit modification are above Minimum Emission Rates (MERs).

V. Credible Evidence

Notwithstanding any other provisions of any applicable rule or regulation or requirement of this permit that state specific methods that may be used to assess compliance with applicable requirements, pursuant to 40 CFR Part 70 and EPA's Credible Evidence Rule, 62 Fed. Reg. 8314 (Feb. 24, 1997), any credible evidence or information relevant to whether a source would have been in compliance with applicable requirements if the appropriate performance or compliance test or procedure had been performed shall be considered for purposes of Title V compliance certifications. Furthermore, for purposes of establishing whether or not a person has violated or is in violation of any emissions limitation or standard or permit condition, nothing in this permit shall preclude the use, including the exclusive use, by any person of any such credible evidence or information.

VI. Public Notice

This permit modification required public notice per LAC 33: III.5107.1.D. A notice requesting public comment on the permit was published in *The Advocate*, Baton Rouge, on <date>, 200X; and in the <local paper>, <local town>, on <date>, 200X. A copy of the public notice was mailed to concerned citizens listed in the Office of Environmental Services Public Notice Mailing List on <date>. The draft permit was also submitted to US EPA Region VI on <date>. All comments will be considered prior to the final permit decision.

VII. Effects on Ambient Air

Emissions associated with the proposed modification were reviewed by the Air Quality Assessment Division to ensure compliance with the NAAQS and AAS. LDEQ did not require the applicant to model emissions.

**AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**ENVIRONMENTAL OPERATIONS PLANT (EOP)
AGENCY INTEREST NO.: 1409
THE DOW CHEMICAL COMPANY
PLAQUEMINE, IBERVILLE PARISH, LOUISIANA**

VIII. General Condition XVII Activities

Work Activity	Schedule	VOC
Equipment Opening Losses 01-GCXVII	Varies	0.03

IX. Insignificant Activities

ID No.:	Description	Max Rate (TPY) or Tank Capacity	Citation
IA-I	Lab Hoods	-	LAC 33:III.501.B.5.A.6
IA-II	Landfill Fly Ash	0.01 TPY PM ₁₀	LAC 33:III.501.B.5.D
IA-III	Sump 1	0.03 TPY VOC	LAC 33:III.501.B.5.D
IA-IV	Sump 2	0.18 TPY VOC	LAC 33:III.501.B.5.D
IA-V	Sump 10	0.01 TPY VOC	LAC 33:III.501.B.5.D
IA-VI	Sump 15	0.01 TPY VOC	LAC 33:III.501.B.5.D
IA-VII	Sump 12	Water	LAC 33:III.501.B.5.C.1
IA-VIII	Sump 14	Water	LAC 33:III.501.B.5.C.1
IA-X	T-2 Storage Tank	Phosphoric Acid	LAC 33:III.501.B.5.A.4
IA-XI	Tank P1-8	6,400 gals.	LAC 33:III.501.B.5.A.3
IA-XII	Tank T-3A	0.01 TPY VOC, 0.01 HCl	LAC 33:III.501.B.5.D
IA-XIII	Tank T-4	Caustic Storage Tank	LAC 33:III.501.B.5.B.40
IA-XIV	Tank T-5	Water-Treatment Chemical	LAC 33:III.501.B.5.B.8
IA-XV	Contract Ferric Tank	0.01 TPY VOC, 0.01 HCl	LAC 33:III.501.B.5.D
IA-XVI	SU-210 Quench Water	0.01 TPY VOC	LAC 33:III.501.B.5.D
IA-XVII	SU-260 Overflow Scrubber Water Sump	0.01 TPY VOC	LAC 33:III.501.B.5.D
IA-XVIII	SU-265 Quench Water	0.01 TPY VOC	LAC 33:III.501.B.5.D
IAXIX	Diesel Tank	560 gals	LAC 33:III.501.B.5.A.3
IA-XX	Weak Acid Tanks (T-10900 & T-12000)	0.01 TPY HCl	LAC 33:III.501.B.5.D
IA-XXI	UNOX Belt Press Tank	0.011 TPY VOC	LAC 33:III.501.B.5.D

**AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

ENVIRONMENTAL OPERATIONS PLANT (EOP)

AGENCY INTEREST NO.: 1409

THE DOW CHEMICAL COMPANY

PLAQUEMINE, IBERVILLE PARISH, LOUISIANA

ID No.:	Description	Max Rate (TPY) or Tank Capacity	Citation
IA-XXII	Water Distribution Acid Tanks S-400	0.249 TPY HCl	LAC 33:III.501.B.5.D

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

ENVIRONMENTAL OPERATIONS PLANT
AGENCY INTEREST NO.: 1409
THE DOW CHEMICAL COMPANY
PLAQUEMINE, IBERVILLE PARISH, LOUISIANA

X. Applicable Louisiana and Federal Air Quality Requirements

ID No.	Description	LAC 33:III.Chapter										LAC 33:III.					
		5'	9	11	13	15	2103	2113	2115	2122	2153'	2201	2521	2901'	5109'	5609	5907
UNF009	Environmental Operations Plant						1		1			1		1	1	1	1
EQT448	5M T-6B Storage Tank							3				2				1	
EQT449	5P T-6D Storage Tank						3				2					1	
EQT450	6J Environmental Operations Carbon Drums															1	
EQT451	6L EOB Sump 11									2						1	
EQT453	EO Diesel Powered Water Well Engine – No. 1						1	1	2							1	
EQT454	EP Diesel Powered Water Well Engine – No. 2						1	1	2							1	
EQT455	EQ Diesel Powered Water Well Engine – No. 3						1	1	2							1	
EQT456	ER Diesel Powered Water Well Engine – No. 4						1	1	2							1	
EQT457	ES Diesel Powered Water Well Engine – No. 5						1	1	2							1	
EQT458	ET Diesel Powered Water Well Engine – No. 6						1	1	2							1	
EQT459	EU Diesel Powered Water Well Engine – No. 7						1	1	2							1	
EQT460	EV Diesel Powered Water Well Engine – No. 8						1	1	2							1	
EQT461	EW Diesel Powered Water Well Engine – No. 9						1	1	2							1	
EQT462	HK Pactherm Pit Burner						1	1	2							3	
EQT463	JC Environmental Operations UHDE Clarifier															1	
EQT464	K0 Environmental Operations T-6A Storage Tank						3									2	
EQT465	K1 Environmental Operations T-6C Storage Tank						3									2	
EQT466	LQ Environmental Operations UHDE Reactor								2							2	
EQT467	LR Environmental Operations EC-3 Wastewater Storage Tank						3									1	
EQT468	LS Environmental Operations EC-4 Wastewater Storage Tank						3									1	
EQT469	MQ Environmental Operations EC-5 Wastewater Storage Tank						3									1	
EQT470	P1 Environmental Operations T-9B Bag House							1								2	
EQT471	P5 Environmental Operations Filter Press							1								1	
EQT472	P6 Environmental Operations UNOX Reactor								2							2	
EQT473	PQ T-130 Storage Tank							3								2	
EQT474	PR T-135 Storage Tank							1								2	
EQT478	PX Environmental Operations CT-50 Cooling Tower								1							1	

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

**ENVIRONMENTAL OPERATIONS PLANT
AGENCY INTEREST NO.: 1409
THE DOW CHEMICAL COMPANY
PLAQUEMINE, IBERVILLE PARISH, LOUISIANA**

X. Applicable Louisiana and Federal Air Quality Requirements

ID No.	Description	LAC 33:III. Chapter										LAC 33:III.					
		5'	9	11	13	15	2103	2113	2115	2122	2153	2201	2521	2901	5109	5609	5907
EQT480	XX UHDE Treatment System Cooling Tower						1										
EQT481	XY Environmental Operations S-1A Clarifier											2					
EQT482	XZ Environmental Operations S-1B Clarifier										2						
EQT483	Y1 Environmental Operations S-2B Clarifier										2						
EQT484	Y3 S-2A Clarifier										2						
EQT485	Y4 Environmental Operations Ammonia Load Line Clearing										2						
EQT486	ZJ Strong Acid Tank T-10800																
EQT487	5H Storage Vessel										3						
EQT488	5I Storage Vessel										3						
EQT491	T-491 Storage Tank																
EQT492	T-9B Storage Silo																
EQT493	Contract Filter Press Storage Silo																
EQT838	SU Environmental Operations T-3B Storage Tank																
FUG013	5W Environmental Operations Fugitives																

The regulations indicated above are State-Only regulations.
 1 LAC 33:III.501.C.6 citations are federally enforceable except when it specifically states that the regulation is State-Only

KEY TO MATRIX

- 1 - The regulations have applicable requirements which apply to this particular emission source.
 - The emission source may have an exemption from control stated in the regulation. The emission source may not have to be controlled but may have monitoring, recordkeeping, or reporting requirements.
- 2 - The regulations have applicable requirements which apply to this particular emission source but the source is currently exempt from these requirements due to meeting a specific criteria, such as it has not been constructed, modified or reconstructed since the regulations have been in place. If the specific criteria changes the source will have to comply at a future date.
- 3 - The regulations apply to this general type of emission source (i.e. vents, furnaces, towers, and fugitives) but do not apply to this particular emission source.
 Blank – The regulations clearly do not apply to this type of emission source

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

**ENVIRONMENTAL OPERATIONS PLANT
AGENCY INTEREST NO.: 1409
THE DOW CHEMICAL COMPANY
PLAQUEMINES, BERVILLE PARISH, LOUISIANA**

X. Applicable Louisiana and Federal Air Quality Requirements

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

ENVIRONMENTAL OPERATIONS PLANT
AGENCY INTEREST NO.: 1409
THE DOW CHEMICAL COMPANY
PLAQUEMINE, IBERVILLE PARISH, LOUISIANA

X. Applicable Louisiana and Federal Air Quality Requirements

ID No.	Description	40 CFR 60				40 CFR 61				40 CFR 63				40 CFR					
		A	E	G	K	Ka	Kb	DDD	A	FF	A	F	G	H	Q	DD	EEE	UUUU	64
EQT480	XX UHDE Treatment System Cooling Tower																		
EQT481	XY Environmental Operations S-1A Clarifier																		3
EQT482	XZ Environmental Operations S-1B Clarifier																		
EQT483	Y1 Environmental Operations S-2B Clarifier																		
EQT484	Y3 S-2A Clarifier																		
EQT485	Y4 Environmental Operations Ammonia Load Line Clearing																		
EQT486	ZJ Strong Acid Tank T-10800																		
EQT487	5H Storage Vessel																		3
EQT488	5I Storage Vessel																		3
EQT491	T-491 Storage Tank																		
EQT492	T-9B Storage Silo																		
EQT493	Contract Filter Press Storage Silo																		
EQT838	5U Environmental Operations T-3B Storage Tank																		
FUG013	5W Environmental Operations Fugitives																		

KEY TO MATRIX

- 1 - The regulations have applicable requirements which apply to this particular emission source.
 - The emission source may not have to be controlled but may have monitoring, recordkeeping, or reporting requirements.
- 2 - The regulations have applicable requirements which apply to this particular emission source but the source is currently exempt from these requirements due to meeting a specific criteria, such as it has not been constructed, modified or reconstructed since the regulations have been in place. If the specific criteria changes the source will have to comply at a future date.
- 3 - The regulations apply to this general type of emission source (i.e. vents, furnaces, towers, and fugitives) but do not apply to this particular emission source.
 Blank – The regulations clearly do not apply to this type of emission source.

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

**ENVIRONMENTAL OPERATIONS PLANT
AGENCY INTEREST NO.: 1409
THE DOW CHEMICAL COMPANY
PLAQUEMINE, IBERVILLE PARISH, LOUISIANA**

XI. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Description	Requirement	Notes
UNF009	Environmental Operations Plant (EOP)	LAC 33:III.2153.B Limiting VOC Emissions from Industrial Wastewater – Control Requirements	EXEMPT FROM CONTROL REQUIREMENTS. Wastewater components are exempt from the control requirements of this Section since the overall control of VOC emissions from wastewater for affected source categories is greater than 90 percent of the 1990 baseline emissions inventory. The recordkeeping and reporting requirements of LAC 33:III.2153.F and G, however, do apply. [LAC 33:III.2153.G.4]
		40 CFR 61 Subpart FF National Emission Standard for Benzene Waste Operations	EXEMPT FROM CONTROL REQUIREMENTS. Facility shall maintain exemption status from 40 CFR 61.343 through 347 by maintaining compliance with the exemption criteria in 40 CFR 61.348(b)(2). The recordkeeping and reporting requirements of 40 CFR 61.356 and 357, however, do apply. [40 CFR 61.348(b)(2)]
		40 CFR 63 Subpart F National Emission Standards for Organic Hazardous Air Pollutants (HON) from the Synthetic Organic Chemical Manufacturing Industry (SOCMI)	DOES NOT APPLY. EOP does not manufacture as a primary product any of the chemicals listed in Table 1 of 40 CFR 63 Subpart F. [40 CFR 63.100(b)(1)(i)]
		40 CFR 63 Subpart G HON from SOCMI Process Vents, Storage Vessels, Transfer Operations, and Wastewater – Process Wastewater provisions	DOES NOT APPLY. EOP does not manufacture as a primary product any of the chemicals listed in Table 1 of 40 CFR 63 Subpart F. [40 CFR 63.100(b)(1)(i)] Upstream SOCMI units that generate Group 2 wastewater streams shall comply with the applicable recordkeeping and reporting requirements of 40 CFR 63.146 and 40 CFR 63.147. [40 CFR 63.132(a)(3)] SOCMI HON recordkeeping and reporting requirements for Group 2 wastewater streams are maintained by the upstream SOCMI units that generate the streams and thus do not specifically apply to EOP.

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

**ENVIRONMENTAL OPERATIONS PLANT
AGENCY INTEREST NO.: 1409
THE DOW CHEMICAL COMPANY
PLAQUEMINE, IBERVILLE PARISH, LOUISIANA**

XI. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Description	Requirement	Notes
EQT487 EQT488	5H Storage Vessel 5I Storage Vessel	LAC 33:III.2103 Control of Emission of Organic Compounds – Storage of Volatile Organic Compounds (VOCs) LAC 33:III.2153.B Limiting VOC Emissions from Industrial Wastewater – Control Requirements	DOES NOT APPLY. The maximum true vapor pressure of stored contents is less than 1.5 psia at storage conditions. Vessel capacities are 7,300 gallons each. EXEMPT. Wastewater components are exempt from the control requirements of this Section since the overall control of VOC emissions from wastewater for affected source categories is greater than 90 percent of the 1990 baseline emissions inventory. [LAC 33:III.2153.G.4]
		40 CFR 60 Subpart Kb Standards of Performance for Volatile Organic Liquid (VOL) Storage Vessels for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984	DOES NOT APPLY. Storage vessels have design storage capacities of less than 75 m ³ (19,813 gallons). [40 CFR 60.110b(a)] The design capacity of these storage vessels is 7,300 gallons each. DOES NOT APPLY. The maximum true vapor pressures of the contents in the tanks are less than 1.5 psia at storage conditions. Vessel capacities are 39,300 gallons each. [LAC 33:III.2103.A]
EQT448 EQT449	5M T-6B Storage Tank 5P T-6D Storage Tank	LAC 33:III.2103 Control of Emissions of Organic Compounds – Storage of Volatile Organic Compounds (VOCs)	EXEMPT. Wastewater components are exempt from the control requirements of this Section since the overall control of VOC emissions from wastewater for affected source categories is greater than 90 percent of the 1990 baseline emissions inventory. [LAC 33:III.2153.G.4] The control plan, required by LAC 33:III.2153.G.4.a, was submitted on January 11, 1996. DOES NOT APPLY. Storage vessels were not constructed, reconstructed, or modified after July 23, 1984. [40 CFR 60.110b(a)] These storage vessels were constructed in 1977.
		40 CFR 60 Subpart Kb Standards of Performance for VOL Storage Vessels for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984	
	5M T-6B Storage Tank 5P T-6D Storage Tank		

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

**ENVIRONMENTAL OPERATIONS PLANT
AGENCY INTEREST NO.: 1409
THE DOW CHEMICAL COMPANY
PLAQUEMINE, IBERVILLE PARISH, LOUISIANA**

XI. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Description	Requirement	Notes
EQT462	HK Pactherm Pit Burner	LAC 33:III.1503 Emission Standards for Sulfur Dioxide – Emission Limitations	EXEMPT. Units emitting less than 250 tons per year (tpy) of sulfur compounds measured as sulfur dioxide may be exempted from the 2,000 ppm(v) limitation by the administrative authority. [LAC 33:III.1503.C] EOP emits 24.5 tpy of sulfur dioxide.
	LAC 33:III.2521 Refuse Incinerators		DOES NOT APPLY. Source does not meet the definition of an "incinerator" as defined in LAC 33:III.111.A. [LAC 33:III.2521.B]
	40 CFR 60 Subpart E Standards of Performance for Incinerators		DOES NOT APPLY. Facility charges source with less than 45 metric tons per day (49.6 tons per day) of solid waste. [40 CFR 60.50(a)] Facility charges source with a maximum of 35 tons per day of solid waste.
EQT473	PQ T-130 Storage Tank	LAC 33:III.2103 Control of Emission of Organic Compounds – Storage of Volatile Organic Compounds (VOCs)	DOES NOT APPLY. The maximum true vapor pressure of stored contents is less than 1.5 psia at storage conditions. Vessel capacities are 22,000 gallons each, respectively. [LAC 33:III.2103.A]
	LAC 33:III.2153.B Limiting VOC Emissions from Industrial Wastewater – Control Requirements		EXEMPT. Wastewater components are exempt from the control requirements of this Section since the overall control of VOC emissions from wastewater for affected source categories is greater than 90 percent of the 1990 baseline emissions inventory. [LAC 33:III.2153.G.4]
			The control plan, required by LAC 33:III.2153.G.4, was submitted on January 11, 1996.
	40 CFR 60 Subpart Kb Standards of Performance for VOL Storage Vessels for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984		DOES NOT APPLY. Storage vessels were not constructed, reconstructed, or modified after July 23, 1984. [40 CFR 60.110b(a)] This storage tank was constructed in 1981.

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

**ENVIRONMENTAL OPERATIONS PLANT
AGENCY INTEREST NO.: 1409
THE DOW CHEMICAL COMPANY
PLAQUEMINE, IBERVILLE PARISH, LOUISIANA**

XI. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Description	Requirement	Notes
(continued) EQT473	PQ T-130 Storage Tank PT T-255 Storage Tank	40 CFR 63.683(b)(1), Subpart DD NESHAP from Off-Site Waste & Recovery Operations	EXEMPT. A tank used for bulk feed of off-site material to a waste incinerator is exempted from the requirements specified in 40 CFR 63.683(b)(1) if the tank meets all of the conditions specified in 40 CFR 63.683(b)(2)(v)(A) through (b)(2)(v)(C). [40 CFR 63.683(b)(2)(v)]
EQT474	PR T-135 Storage Tank	LAC 33:III.2153.B Limiting VOC Emissions from Industrial Wastewater – Control Requirements	EXEMPT. Wastewater components are exempt from the control requirements of this Section since the overall control of VOC emissions from wastewater for affected source categories is greater than 90 percent of the 1990 baseline emissions inventory. [LAC 33:III.2153.G.4]
			The control plan, required by LAC 33:III.2153.G.4.a, was submitted on January 11, 1996.
		40 CFR 60 Subpart Kb Standards of Performance for VOL Storage Vessels for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984	DOES NOT APPLY. Storage vessels were not constructed, reconstructed, or modified after July 23, 1984. [40 CFR 60.11(b)(a)]
			These storage vessels were constructed in 1981.
		40 CFR 63.683(b)(1), Subpart DD NESHAP from Off-Site Waste & Recovery Operations	EXEMPT. A tank used for bulk feed of off-site material to a waste incinerator is exempted from the requirements specified in 40 CFR 63.683(b)(1) if the tank meets all of the conditions specified in 40 CFR 63.683(b)(2)(v)(A) through (b)(2)(v)(C). [40 CFR 63.683(b)(2)(v)]
		LAC 33:III.2153.B Limiting VOC Emissions from Industrial Wastewater – Control Requirements	EXEMPT. Wastewater components are exempt from the control requirements of this Section since the overall control of VOC emissions from wastewater for affected source categories is greater than 90 percent of the 1990 baseline emissions inventory. [LAC 33:III.2153.G.4]
EQT484	Y3 S-2A Clarifier		The control plan, required by LAC 33:III.2153.G.4.a, was submitted on January 11, 1996.

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

**ENVIRONMENTAL OPERATIONS PLANT
AGENCY INTEREST NO.: 1409
THE DOW CHEMICAL COMPANY
PLAQUEMINE, IBERVILLE PARISH, LOUISIANA**

XI. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Description	Requirement	Notes
FUG13	5W Environmental Operations Fugitive Emissions	LAC 33:III.2122 Control of Emissions of Organic Compounds – Fugitive Emission Control for Ozone Nonattainment Areas and Specified Parishes	DOES NOT APPLY. EOP is not a SOCMI facility. [LAC 33:III.2122.A.1]
EQT450	6J Environmental Operations Carbon Drums	40 CFR 64 Compliance Assurance Monitoring (CAM)	DOES NOT APPLY. Source does not classify as a “large emission unit” for any regulated pollutant. Per 40 CFR 64.5(b), other pollutant-specific emission units shall submit a CAM plan as part of an application for renewal of a Part 70 or 71 permit. [40 CFR 64.5(b)]
EQT451	6L EOB Sump 11	LAC 33:III.2153.B Limiting VOC Emissions from Industrial Wastewater – Control Requirements	EXEMPT. Wastewater components are exempt from the control requirements of this Section since the overall control of VOC emissions from wastewater for affected source categories is greater than 90 percent of the 1990 baseline emissions inventory. [LAC 33:III.2153.G.4] The control plan, required by LAC 33:III.2153.G.4.a, was submitted on January 11, 1996.
EQT453	EO Diesel Water Well Engine 1 EP Diesel Water Well Engine 2 EQ Diesel Water Well Engine 3 ER Diesel Water Well Engine 4 ES Diesel Water Well Engine 5 ET Diesel Water Well Engine 6 EU Diesel Water Well Engine 7 EV Diesel Water Well Engine 8 EW Diesel Water Well Engine 9	LAC 33:III.1503 Emission Standards for Sulfur Dioxide – Emission Limitations	EXEMPT. Units emitting less than 250 tons per year (tpy) of sulfur compounds measured as sulfur dioxide may be exempted from the 2,000 ppm(v) limitation by the administrative authority. [LAC 33:III.1503.C] EOP emits 0.80 tpy of sulfur dioxide.
EQT454		LAC 33:III.2201	EXEMPT. Diesel-fired stationary internal combustion engines are exempt from the provision of this Chapter. [LAC 33:III.2201.C.14]
EQT455			
EQT456			
EQT457			
EQT458			
EQT459			
EQT460			
EQT461			

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

**ENVIRONMENTAL OPERATIONS PLANT
AGENCY INTEREST NO.: 1409
THE DOW CHEMICAL COMPANY
PLAQUEMINE, IBERVILLE PARISH, LOUISIANA**

XI. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Description	Requirement	Notes
EQT463	JC Environmental Operations UHDE Clarifier	LAC 33:III.2153.B Limiting VOC Emissions from Industrial Wastewater – Control Requirements	EXEMPT. Wastewater components are exempt from the control requirements of this Section since the overall control of VOC emissions from wastewater for affected source categories is greater than 90 percent of the 1990 baseline emissions inventory. [LAC 33:III.2153.G.4] The control plan, required by LAC 33:III.2153.G.4.a, was submitted on January 11, 1996.
EQT464	K0 T-6A Storage Tank	LAC 33:III.2103 Control of Emissions of Organic Compounds – Storage of Volatile Organic Compounds (VOCs)	DOES NOT APPLY. The maximum true vapor pressure of stored contents is less than 1.5 psia at storage conditions. Vessel capacities are 40,600 gallons each. [LAC 33:III.2103.B]
EQT465	K1 T-6C Storage Tank	LAC 33:III.2153.B Limiting VOC Emissions from Industrial Wastewater – Control Requirements	EXEMPT. Wastewater components are exempt from the control requirements of this Section since the overall control of VOC emissions from wastewater for affected source categories is greater than 90 percent of the 1990 baseline emissions inventory. [LAC 33:III.2153.G.4] The control plan, required by LAC 33:III.2153.G.4.a, was submitted on January 11, 1996.
EQT466	LQ Environmental Operations UHDE Reactor	LAC 33:III.2115 Control of Emissions of Organic Compounds – Waste Gas Disposal	DOES NOT APPLY. Storage vessels were not constructed, reconstructed, or modified after July 23, 1984. [40 CFR 60.110b(a)] These storage vessels were constructed in 1976.

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

**ENVIRONMENTAL OPERATIONS PLANT
AGENCY INTEREST NO.: 1409
THE DOW CHEMICAL COMPANY
PLAQUEMINES, IBERVILLE PARISH, LOUISIANA**

Explanation for Exemption Status or Non-Applicability of a Source

XI. Explanation for Exemption Status or Non-Applicability of a Source					
ID No:	Description	Requirement	Notes		
EQT466	LQ Environmental Operations UHDE Reactor	LAC 33:III.2153.B Limiting VOC Emissions from Wastewater – Control Requirements	Industrial	EXEMPT. Wastewater components are exempt from the control requirements of this Section since the overall control of VOC emissions from wastewater for affected source categories is greater than 90 percent of the 1990 baseline emissions inventory. [LAC 33:III.2153.G.4]	
EQT467 EQT468 EQT469	LR Environmental Operations EC-3 LS Environmental Operations EC-4 MQ Environmental Operations EC-5	LAC 33:III.2103 Control of Emission of Organic Compounds – Storage of Volatile Organic Compounds (VOCs)	Industrial	DOES NOT APPLY. The maximum true vapor pressure of stored contents is less than 1.5 psia at storage conditions. Vessel capacities are 5,000,000 gallons each. [LAC 33:III.2103.B]	
		LAC 33:III.2153.B Limiting VOC Emissions from Wastewater – Control Requirements	Industrial	EXEMPT. Wastewater components are exempt from the control requirements of this Section since the overall control of VOC emissions from wastewater for affected source categories is greater than 90 percent of the 1990 baseline emissions inventory. [LAC 33:III.2153.G.4]	
				The control plan, required by LAC 33:III.2153.G.4.a, was submitted on January 11, 1996.	
				DOES NOT APPLY. The maximum true vapor pressure of stored contents is less than 3.5 kPa (0.51 psia). [40 CFR 60.110(b)(b)]	
				Storage vessel capacity is 5,000,000 gallons.	
				EXEMPT. Waste gas streams with a concentration of VOCs less than 0.044 psia true partial pressure (3,000 ppm) are exempt from the requirements of this Section. [LAC 33:III.2115.H.1.d]	
EQT472	P6 Environmental Operations UNOX Reactor	LAC 33:III.2115 Control of Emissions of Organic Compounds – Waste Gas Disposal			

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

ENVIRONMENTAL OPERATIONS PLANT
 AGENCY INTEREST NO.: 1409
 THE DOW CHEMICAL COMPANY
 PLAQUEMINE, IBERVILLE PARISH, LOUISIANA

XI. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Description	Requirement	Notes
EQT472	P6 Environmental Operations UNOX Reactor	LAC 33:III.2153.B Limiting VOC Emissions from Industrial Wastewater – Control Requirements	EXEMPT. Wastewater components are exempt from the control requirements of this Section since the overall control of VOC emissions from wastewater for affected source categories is greater than 90 percent of the 1990 baseline emissions inventory. [LAC 33:III.2153.G.4] The control plan, required by LAC 33:III.2153.G.4.a, was submitted on January 11, 1996.
EQT478	PX Environmental Operations CT-50 Cooling Tower	40 CFR 63 Subpart Q National Emission Standards for Hazardous Air Pollutants (NESHAP) for Industrial Process Cooling Towers	DOES NOT APPLY. Facility does not use chromium-based water treatment chemicals. [40 CFR 63.400(a)]
EQT480	XX UHDE Treatment System Cooling Tower	40 CFR 63 Subpart Q National Emission Standards for Hazardous Air Pollutants (NESHAP) for Industrial Process Cooling Towers	DOES NOT APPLY. Facility does not use chromium-based water treatment chemicals. [40 CFR 63.400(a)]
EQT481 EQT482 EQT483	XY S-1A Clarifier XZ S-1B Clarifier Y1 S-2B Clarifier	LAC 33:III.2153.B Limiting VOC Emissions from Industrial Wastewater – Control Requirements	EXEMPT. Wastewater components are exempt from the control requirements of this Section since the overall control of VOC emissions from wastewater for affected source categories is greater than 90 percent of the 1990 baseline emissions inventory. [LAC 33:III.2153.G.4] The control plan, required by LAC 33:III.2153.G.4.a, was submitted on January 11, 1996.

The above table provides explanation for both the exemption status or non-applicability of a source cited by 2 or 3 in the matrix presented in Section XI and XII of this permit.

STATE-ONLY SPECIFIC CONDITIONS

**ENVIRONMENTAL OPERATIONS PLANT
AGENCY INTEREST NO.: 1409
THE DOW CHEMICAL COMPANY
PLAQUEMINE, IBERVILLE PARISH, LOUISIANA**

1. The following requirements apply to the Pactherm Pit Burner (EIQ No. HK, EQT0462):
 - a. The permittee shall not burn more than the rated capacity of the unit, EIQ No. HK (EQT0462), nor shall it burn more than 12,775 tons/calender year.
 - b. The permittee shall not burn tires, hard plastics, garbage, liquid waste, chemically treated paper or wood, nor any type of synthetic fiber.
 - c. The permittee shall not load the unit such that any material shall protrude above the air curtain, and shall maintain and operate the unit in accordance with the manufacturer's recommendations so as to satisfactorily dispose of the waste without causing a sanitary or air pollution problem.
 - d. The permittee shall only use virgin diesel fuel or propane to start the fire. The use of waste oil, chemicals, gasoline, or tires is expressly prohibited.
 - e. The permittee shall conduct burning only between the hours of 8:00 a.m. and 5:00 p.m. The unit charge shall be of such size to allow complete reduction in this time interval.
 - f. The permittee shall not allow ash to build up in the pit to higher than 1/3 of the pit depth or to the point where the ash begins to impede combustion, whichever occurs first.
 - g. The permittee shall comply with all applicable provisions of LAC 33:III.1109, Control of Air Pollution from Outdoor Burning.
 - h. The permittee shall comply with LAC 33:III.1103, Impairment of Visibility on Public Road Prohibited.
 - i. The requirements of LAC 33:III.1101 are waived for a maximum of thirty (30) minutes when the unit is undergoing a cold start-up. This provision shall only be used once per day and only after the unit has been cleaned.
 - j. The permittee shall keep, maintain, and make available to the Louisiana Department of Environmental Quality (LDEQ), upon request, a daily log of the waste material burned and operating time of the unit.
 - k. Install a manufacturer's nameplate on the destructor giving manufacturer's name, model number, capacity and type waste.
 - l. Maintain to design standards and do not operate if any equipment is malfunctioning.

STATE-ONLY SPECIFIC CONDITIONS

**ENVIRONMENTAL OPERATIONS PLANT
AGENCY INTEREST NO.: 1409
THE DOW CHEMICAL COMPANY
PLAQUEMINE, IBERVILLE PARISH, LOUISIANA**

- m. The LDEQ reserves the right to require additional emission control equipment and/or work practice standards should they become necessary.

General Information

AI ID: 128269 #3 Test Compressor - Ford 460 14 Engine (43-HP) SN FP-50979

Activity Number: PER20090003

Permit Number: 7777-0054-3-02

Air - Minor Source/Small Source Mod

Also Known As:	ID	Name	User Group	Start Date
		ConocoPhillips Co	Air Permitting	04-14-2005
	7777-00543	#3 Test Compressor - Ford 460 14 Engine (43-HP) SN FP-50979	CDS Number	04-14-2005
Physical Location:				
Portable Statewide, LA	70000			
Mailing Address:				
PO Box 1095 Minden, LA 71058-1095				
Location of Front Gate:		32.525917 latitude, -93.189833 longitude, Coordinate Method: Lat.:Long. - DMS, Coordinate Datum: NAD83		
Related People:	Name	Mailing Address	Phone (Type)	Relationship
	William Hudson	PO Box 2197 3WL 17084 Houston, TX 772522197	8324862393 (WP)	Responsible Official for
Related Organizations:	Name	Address	Phone (Type)	Relationship
	ConocoPhillips Co	PO Box 2197 3WL 17084 Houston, TX 772522197	8324862393 (WP)	Operates
	ConocoPhillips Co	Attn: Manager L48 Gulf Coast HSE Houston, TX 772522197	8324862348 (WP)	Air Billing Party for
	ConocoPhillips Co	PO Box 2197 3WL 17084 Houston, TX 772522197	8324862393 (WP)	Owns

Note: This report entitled "General Information" contains a summary of facility-level information contained in LDEQ's TEMPO database for this facility and is not considered a part of the permit. Please review the information contained in this document for accuracy and completeness. If any changes are required or if you have questions regarding this document, you may contact Ms. Tommie Millam, Permit Support Services Division, at (225) 219-3259 or email your changes to facupdate@la.gov.

General Information

AI ID: 1409 Dow Chemical Co - Louisiana Division
Activity Number: PER20090004
Permit Number: 2190-V1
Air - Title V Regular Permit Minor Mod

Also Known As:	ID	Name	User Group	Start Date
	1280-00008	Dow Chemical Co - Louisiana Division	CDS Number	05-27-1993
	38-1285128	Federal Tax ID	Federal Tax ID	11-21-1999
LAD008-1870800	PMT/CA	Dow Chemical Co LA Operations	Hazardous Waste Notification	01-29-1986
	1280-00008	GPPRA Baselines	Hazardous Waste Permitting	10-01-1997
	1280-00008	Dow Chemical Co - Louisiana Division	Historic Emission Inventory System (EIS) ID	03-03-2004
00290	LAD008-1870800	Historic Toxic Emissions Data Inventory (TEDI) ID	Historic Toxic Emissions Data Inventory (TEDI) ID	01-01-1991
	LA0003301	Dow Chemical	Inactive & Abandoned Sites	09-01-1986
	LA0003301	Dow Chemical USA	Inactive & Abandoned Sites	06-09-1981
	LAR05N128	LPDES #	LPDES Permit #	05-27-1993
	LAR10B702	LPDES #	LPDES Permit #	10-24-2001
	LAR10C623	LPDES #	LPDES Permit #	03-24-2003
	LAR10D056	LPDES #	LPDES Permit #	10-28-2004
	LAR10D101	LPDES #	LPDES Permit #	06-13-2005
	LAR10D431	LPDES Permit #	LPDES Permit #	08-23-2005
	GP1596	LWDPS #	LWDPS Permit #	04-01-2006
	WP1561	LWDPS #	LWDPS Permit #	11-21-1999
	WP1654	LWDPS #	LWDPS Permit #	06-25-2003
LA-2002-L02	2002	Radioactive Material License	Radiation License Number	06-25-2003
	2002	X-Ray Registration Number	Radiation X-ray Registration Number	03-12-2001
	GP0-047-0107	Site ID #	Solid Waste Facility No.	11-21-1999
1280AD002	11649	Stage II Vapor Recovery	Stage II Vapor Recovery	04-30-2001
	126305	Dow Chemical USA	TEMPO Merge	08-19-2002
	19794	Dow Chemical Co - Vinyl II Cooling Tower	TEMPO Merge	05-22-2001
	38771	Dow Chemical USA - LA Division New Tank Farm	TEMPO Merge	12-19-2005
	41283	Dow Chemical Co - LA Operations	TEMPO Merge	07-01-2001
	44749	Dow Chemical Co	TEMPO Merge	05-22-2001
	44946	Dow Lighthouse Rd	TEMPO Merge	08-25-2002
	52295	Dow Chemical USA	TEMPO Merge	05-22-2001
	70765THDWCHIGHW	TRI #	Toxic Release Inventory	05-22-2001
24-011629		UST Facility ID (from UST legacy data)	UST FID #	07-08-2004
				10-11-2002

General Information

AI ID: 1409 Dow Chemical Co - Louisiana Division
 Activity Number: PER20090004
 Permit Number: 2190-V1
 Air - Title V Regular Permit Minor Mod

Physical Location:	21255 Hwy 1 Plaquemine, LA 70765	Main Phone:	2253536148	
Mailing Address:	PO Box 150 Plaquemine, LA 707650150	Location of Front Gate:	30°31'36.11" latitude, -91°24'03.81" longitude, Coordinate Method: Lat.\Long. - DMS, Coordinate Datum: NADB83	
Related People:	Name	Mailing Address	Phone (Type)	Relationship
Catherine Bilello	PO Box 150 Plaquemine, LA 707650150	2253536595 (WP)	Responsible Official for	
Robert Brandt	PO Box 150 Plaquemine, LA 707650150	2253538938 (WP)	Responsible Official for	
Dan Bucholtz	PO Box 150 Plaquemine, LA 707650150	2253535802 (WP)	Responsible Official for	
Mike Christal	PO Box 150 Plaquemine, LA 707650150	2253531660 (WP)	Responsible Official for	
Delia Contreras	PO Box 150 Plaquemine, LA 707650150	2253536192 (WP)	Responsible Official for	
Dennis Davis	PO Box 150 Plaquemine, LA 707650150	2253536128 (WP)	Water Billing Party for	
Dennis Davis	PO Box 150 Plaquemine, LA 707650150	2253536128 (WP)	Accident Prevention/Billing Party for	
Dennis Davis	PO Box 150 Plaquemine, LA 707650150	2253536128 (WP)	Stage II Vapor Recovery/Billing Party for	
Dennis Davis	PO Box 150 Plaquemine, LA 707650150	2253536128 (WP)	Solid Waste Billing Party for	
Bart Dolezal	PO Box 150 Plaquemine, LA 707650150	2253536039 (WP)	Responsible Official for	
Ivy Dupree	21255 Hwy 1 S Plaquemine, LA 70765	2253531630 (WP)	Remediation Contact for	
Richard Durham	PO Box 150 Bldg 3502 E Plaquemine, LA 707650150	Underground Storage Tank Contact for		
Richard Durham	PO Box 150 Bldg 3502 E Plaquemine, LA 707650150	Hazardous Waste Permit Contact for		
Tim Gunn	PO Box 150 Plaquemine, LA 707650150	2253531514 (WP)	Responsible Official for	
Dan Jason	PO Box 150 Plaquemine, LA 707650150	2253631512 (WP)	Responsible Official for	
Gretchen LeBlanc	PO Box 150 Plaquemine, LA 707650150	2253531642 (WP)	Responsible Official for	
Craig Leopard	PO Box 150 Plaquemine, LA 707650150	2253535871 (WP)	Responsible Official for	
Donald Lyle	PO Box 150 Plaquemine, LA 707650150	2253536472 (WP)	Responsible Official for	
Vic McMurray	PO Box 150 Plaquemine, LA 707650150	2253536148 (WP)	Responsible Official for	
Will Nipper	PO Box 150 Plaquemine, LA 707650150	2253538116 (WP)	Emission Inventory Contact for	
Will Nipper	PO Box 150 Plaquemine, LA 707650150	wnipper@dow.com	Emission Inventory Contact for	
Brad Rabalaits	21255 Hwy 1 Bldg 3502 Plaquemine, LA 70764	2253226146 (DP)	Radiation Contact for	
Brad Rabalaits	21255 Hwy 1 Bldg 3502 Plaquemine, LA 70764	2253226146 (DP)	Radiation Safety Officer for	
Brad Rabalaits	21255 Hwy 1 Bldg 3502 Plaquemine, LA 70764	2253538001 (WF)	Radiation Safety Officer for	
Brad Rabalaits	21255 Hwy 1 Bldg 3502 Plaquemine, LA 70764	BRABALAIS@DOW	Radiation Safety Officer for	
Brad Rabalaits	21255 Hwy 1 Bldg 3502 Plaquemine, LA 70764	2253538001 (WF)	Radiation Contact for	
Brad Rabalaits	21255 Hwy 1 Bldg 3502 Plaquemine, LA 70764	2253536146 (WP)	Radiation Contact for	
Brad Rabalaits	21255 Hwy 1 Bldg 3502 Plaquemine, LA 70764	2253536146 (WP)	Radiation Safety Officer for	
Chris Reed	PO Box 150 Plaquemine, LA 707650150	2253538948 (WP)	Responsible Official for	
Lee Trusty	PO Box 150 Plaquemine, LA 707650150	2253538948 (WP)	Responsible Official for	

<u>General Information</u>					
AI ID: 1409 Dow Chemical Co - Louisiana Division					
Activity Number: PER20090004					
Permit Number: 2190-V1					
Air - Title V Regular Permit Minor Mod					
Related People:	Name	Mailing Address	Phone (Type)	Relationship	
	Gill Walker	PO Box 150 Plaquemine, LA 707650150	2253535873 (WP)	Responsible Official for	
	Susan Williams	PO Box 150 Plaquemine, LA 707650150	2253535317 (WP)	Responsible Official for	
	David Wilson	PO Box 150 Plaquemine, LA 707650150	2253535883 (WP)	Responsible Official for	
Related Organizations:	Name	Address	Phone (Type)	Relationship	
	JE Merit Constructors Inc	4949 Essen Ln Baton Rouge, LA 70898	2257685548 (WP)	Provides environmental services for	
	National Maintenance Corp	2865 Mason St Baton Rouge, LA 70865		Provides environmental services for	
	Petrin Corp	1405 Commercial Dr Port Allen, LA 70767		Provides environmental services for	
	The Dow Chemical Co	PO Box 150 Bldg 3502 E Plaquemine, LA 707650150	2253538888 (WP)	Radiation License Billing Party for	
	The Dow Chemical Co	PO Box 150 Bldg 3502 E Plaquemine, LA 707650150	2253538888 (WP)	Emission Inventory Billing Party	
	The Dow Chemical Co	PO Box 150 Bldg 3502 E Plaquemine, LA 707650150	2253538888 (WP)	Air Billing Party for	
	The Dow Chemical Co	PO Box 150 Bldg 3502 E Plaquemine, LA 707650150	2253538888 (WP)	Radiation Registration Billing Party for	
	The Dow Chemical Co	PO Box 150 Bldg 3502 E Plaquemine, LA 707650150	2253538888 (WP)	Owens	
	The Dow Chemical Co	PO Box 150 Bldg 3502 E Plaquemine, LA 707650150	2253538888 (WP)	UST Billing Party for	

Note: This report entitled "General Information" contains a summary of facility-level information contained in LDEQ's TEMPO database for this facility and is not considered a part of the permit. Please review the information contained in this document for accuracy and completeness. If any changes are required or if you have questions regarding this document, you may contact Ms. Tommie Milam, Permit Support Services Division, at (225) 219-3259 or email your changes to facupdate@la.gov.

INVENTORIES

AI ID: 1409 - Dow Chemical Co - Louisiana Division
 Activity Number: PER20090004
 Permit Number: 2190-V1
 Air - Title V Regular Permit Minor Mod

Subject Item Inventory:

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
Environmental Operations Plant						
EQT 0448	5M - T-6B Storage Tank	39300 gallons				8760 hr/yr
EQT 0449	5P - T-6D Storage Tank	39300 gallons				8760 hr/yr
EQT 0450	6J - Environmental Operations Carbon Drums					8760 hr/yr
EQT 0451	6L - EOB Sump 11					8760 hr/yr
EQT 0453	EO - Diesel Powered Water Well Engine - No. 1	1000 horsepower	1000 horsepower	1000 horsepower		8760 hr/yr
EQT 0454	EP - Diesel Powered Water Well Engine - No. 2	1000 horsepower	1000 horsepower	1000 horsepower		8760 hr/yr
EQT 0455	EQ - Diesel Powered Water Well Engine - No. 3	1000 horsepower	1000 horsepower	1000 horsepower		8760 hr/yr
EQT 0456	ER - Diesel Powered Water Well Engine - No. 4	1000 horsepower	1000 horsepower	1000 horsepower		8760 hr/yr
EQT 0457	ES - Diesel Powered Water Well Engine - No. 5	1000 horsepower	1000 horsepower	1000 horsepower		8760 hr/yr
EQT 0458	ET - Diesel Powered Water Well Engine - No. 6	1000 horsepower	1000 horsepower	1000 horsepower		8760 hr/yr
EQT 0459	EU - Diesel Powered Water Well Engine - No. 7	1000 horsepower	1000 horsepower	1000 horsepower		8760 hr/yr
EQT 0460	EV - Diesel Powered Water Well Engine - No. 8	1000 horsepower	1000 horsepower	1000 horsepower		8760 hr/yr
EQT 0461	EW - Diesel Powered Water Well Engine - No. 9	1000 horsepower	1000 horsepower	1000 horsepower		8760 hr/yr
EQT 0462	HK - Pacham Pit Burner		35 tons/day			3276 hr/yr
EQT 0463	JC - Environmental Operations UHDE Clarifier					8760 hr/yr
EQT 0464	KO - Environmental Operations T-6A Storage Tank	40600 gallons			157680000 gallons/yr	
EQT 0465	K1 - Environmental Operations T-6C Storage Tank	40600 gallons			105120000 gallons/yr	
EQT 0466	LQ - Environmental Operations UHDE Reactor					8760 hr/yr
EQT 0467	LR - Environmental Operations EC-3 Wastewater Storage Tank	5 million gallons			14000 gallons/min	11000 gallons/min
EQT 0468	LS - Environmental Operations EC-4 Wastewater Storage Tank	5 million gallons				8760 hr/yr
EQT 0469	MQ - Environmental Operations EC-5 Wastewater Storage Tank	5 million gallons				8760 hr/yr
EQT 0470	P1 - Environmental Operations T-9B Bag House					8760 hr/yr
EQT 0471	P5 - Environmental Operations Filter Press					8760 hr/yr
EQT 0472	PF - Environmental Operations UNOX Reactor					8760 hr/yr
EQT 0473	PQ - T-130 Storage Tank	22000 gallons			50000 gallons/yr	
EQT 0474	PR - T-135 Storage Tank	20300 gallons			50000 gallons/yr	
EQT 0478	PX - Environmental Operations CT-50 Cooling Tower					8760 hr/yr
EQT 0480	XX - UHDE Treatment System Cooling Tower				9000 gallons/min	8760 hr/yr
EQT 0481	XY - Environmental Operations S-1A Clarifier					8760 hr/yr
EQT 0482	XZ - Environmental Operations S-1B Clarifier					8760 hr/yr
EQT 0483	Y1 - Environmental Operations S-2B Clarifier					8760 hr/yr
EQT 0484	Y3 - S-2A Clarifier	721600 gallons				8760 hr/yr
EQT 0485	Y4 - Environmental Operations Ammonia Load Line Cleaning				9 MM gallons/yr	8760 hr/yr
EQT 0486	ZJ - Strong Acid Tank T-10600	4550 gallons				8760 hr/yr
EQT 0491	T-941 - T-941 Storage Tank					8760 hr/yr
EQT 0492	T-9B - T-9B Storage Silo					8760 hr/yr

INVENTORIES

AI ID: 1409 - Dow Chemical Co - Louisiana Division
Activity Number: PER20090004
Permit Number: 2190-V1
Air - Title V Regular Permit Minor Mod

Subject Item Inventory:

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
Environmental Operations Plant						
EQT 0493	Contract Filter Press Storage Silo					8760 hr/yr
EQT 0838	SL - Environmental Operations T-3B Storage Tank	20000 gallons				8760 hr/yr
FUG 0013	SW - Environmental Operations Fugitives					8760 hr/yr
Stack Information:						
ID	Description	Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)
Environmental Operations Plant						
EQT 0448	SM - T-6B Storage Tank	.5		.5		48
EQT 0449	SP - T-6D Storage Tank	.5		.5		48
EQT 0450	6J - Environmental Operations Carbon Drums	.2		.2		5
EQT 0453	EO - Diesel Powered Water Well Engine - No. 1	3600	1			8
EQT 0454	EP - Diesel Powered Water Well Engine - No. 2	3600	1			8
EQT 0455	EQ - Diesel Powered Water Well Engine - No. 3	3600	1			8
EQT 0456	ER - Diesel Powered Water Well Engine - No. 4	3600	1			8
EQT 0457	ES - Diesel Powered Water Well Engine - No. 5	3600	1			8
EQT 0458	ET - Diesel Powered Water Well Engine - No. 6	3600	1			8
EQT 0459	EU - Diesel Powered Water Well Engine - No. 7	3600	1			8
EQT 0460	EV - Diesel Powered Water Well Engine - No. 8	3600	1			8
EQT 0461	EW - Diesel Powered Water Well Engine - No. 9	3600	1			8
EQT 0462	HK - Pactherm Pit Burner	1.7	22900	.22	.224	12
EQT 0464	KO - Environmental Operations T-6A Storage Tank					700
EQT 0465	K1 - Environmental Operations T-6C Storage Tank					95
EQT 0466	LQ - Environmental Operations UHDE Reactor	2700	1.2			95
EQT 0467	LR - Environmental Operations EC-3 Wastewater Storage Tank					102
EQT 0468	LS - Environmental Operations EC-4 Wastewater Storage Tank					82
EQT 0469	MQ - Environmental Operations EC-5 Wastewater Storage Tank					82
EQT 0470	P1 - Environmental Operations T-9B Bag House					82
EQT 0472	P6 - Environmental Operations UNOX Reactor					24
EQT 0473	PQ - T-130 Storage Tank					27
EQT 0474	PR - T-135 Storage Tank					82
EQT 0478	PX - Environmental Operations CT-50 Cooling Tower					26
EQT 0480	XX - UHDE Treatment System Cooling Tower					82
						34.3
						75
						667313

INVENTORIES

AI ID: 1409 - Dow Chemical Co - Louisiana Division
 Activity Number: PER20090004
 Permit Number: 2190-V1
 Air - Title V Regular Permit Minor Mod

Stack Information:

ID	Description	Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Temperature (°F)
Environmental Operations Plant							
EQT 0485	Y4 - Environmental Operations Ammonia Load Line Clearing	.13		.10			
EQT 0486	ZJ - Strong Acid Tank T-10800	.5		.12			
EQT 0838	5U - Environmental Operations T-3B Storage Tank	.33		.24			

Relationships:

ID	Description	Relationship	ID	Description
EOT 0450	6J - Environmental Operations Carbon Drums	Controls emissions from	EOT 0491	T-941 - T-941 Storage Tank
EOT 0470	P1 - Environmental Operations T-9B Bag House	Controls emissions from	EOT 0493	- Contract Filter Press Storage Silo
EOT 0470	P1 - Environmental Operations T-9B Bag House	Controls emissions from	EOT 0492	T-9B - T-9B Storage Silo

Subject Item Groups:

ID	Group Type	Group Description
GRP 0069	Equipment Group	Cap 1 - Cap of EC-3/4/5
GRP 0070	Equipment Group	Cap 2 - 1,000 hp Diesel Water Well Engines
UNF 0009	Unit or Facility Wide	- Environmental Operations Plant

Group Membership:

ID	Description	Member of Groups
EQT 0453	EO - Diesel Powered Water Well Engine - No. 1	GRP000000000070
EQT 0454	EP - Diesel Powered Water Well Engine - No. 2	GRP000000000070
EQT 0455	EQ - Diesel Powered Water Well Engine - No. 3	GRP000000000070
EQT 0456	ER - Diesel Powered Water Well Engine - No. 4	GRP000000000070
EQT 0457	ES - Diesel Powered Water Well Engine - No. 5	GRP000000000070
EQT 0458	ET - Diesel Powered Water Well Engine - No. 6	GRP000000000070
EQT 0459	EU - Diesel Powered Water Well Engine - No. 7	GRP000000000070
EQT 0460	EV - Diesel Powered Water Well Engine - No. 8	GRP000000000070
EQT 0461	EW - Diesel Powered Water Well Engine - No. 9	GRP000000000070
EQT 0467	LR - Environmental Operations EC-3 Wastewater Storage Tank	GRP000000000069
EQT 0468	LS - Environmental Operations EC-4 Wastewater Storage Tank	GRP000000000069
EQT 0469	MQ - Environmental Operations EC-5 Wastewater Storage Tank	GRP000000000069

NOTE: The UNF group relationship is not printed in this table. Every subject item is a member of the UNF group

Annual Maintenance Fee:

Fee Number	Air Contaminant Source	Multiplier	Units Of Measure
1536	1536 Recoverable/Re-usable Materials Proc. Facility (Thermal)	82.5	MM BTU/hr

Page 3 of 4

TPOR0149

INVENTORIES

AI ID: 1409 - Dow Chemical Co - Louisiana Division
Activity Number: PER20090004
Permit Number: 2190-V1
Air - Title V Regular Permit Minor Mod

Fee Number	Air Contaminant Source (Capacity)	Multipier	Units Of Measure

SIC Codes:

4933	Refuse systems	UNF 009
------	----------------	---------

EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 1409 - Dow Chemical Co - Louisiana Division

Activity Number: PER20090004

Permit Number: 2190-V1

Air - Title V Regular Permit Minor Mod

Subject Item	CO Avg lb/hr	Max lb/hr	Tons/Year	NOx Avg lb/hr	Max lb/hr	Tons/Year	PM10 Avg lb/hr	Max lb/hr	Tons/Year	SO2 Avg lb/hr	Max lb/hr	Tons/Year	VOC
Environmental Operations Plant													
EQT 0448 SM												0.01	0.01
EQT 0449 SP												<0.01	<0.01
EQT 0450 SJ												<0.01	0.02
EQT 0451 SL												0.01	3.90
EQT 0453 EO	0.93			7.20			0.65						0.53
EQT 0454 EP	0.93			7.20			0.65						0.53
EQT 0455 Eo	0.93			7.20			0.65						0.53
EQT 0456 ER	0.93			7.20			0.65						0.53
EQT 0457 ES	0.93			7.20			0.65						0.53
EQT 0458 ET	0.93			7.20			0.65						0.53
EQT 0459 EU	0.93			7.20			0.65						0.53
EQT 0460 EV	0.93			7.20			0.65						0.53
EQT 0461 EW	0.93			7.20			0.65						0.53
EQT 0462 HK	7.00	14.00	11.50	15.60	31.10	25.60	7.80	15.60	12.80	0.39	0.78	0.60	0.70
EQT 0463 JC												1.00	5.36
EQT 0464 K0												0.002	0.04
EQT 0465 K1												0.002	0.04
EQT 0466 LQ												0.70	2.81
EQT 0467 LR													3.10
EQT 0468 LS													13.00
EQT 0469 MO													22.60
EQT 0470 P1													
EQT 0471 PS												0.02	0.36

EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 1409 - Dow Chemical Co - Louisiana Division

Activity Number: PER20090004

Permit Number: 2190-V1

Air - Title V Regular Permit Minor Mod

Subject Item	CO			NOx			PM10			SO2			VOC		
	Avg lb/hr	Max lb/hr	Tons/Year												
Environmental Operations Plant															
EQT 0472 P6															
EQT 0478 PX							1.20	1.40	5.30				1.26	25.60	5.70
EQT 0480 XX							0.30	0.36	1.30						
EQT 0481 XY													4.39	88.47	19.24
EQT 0482 XZ													2.60	88.47	19.24
EQT 0483 Y1													2.06		9.18
EQT 0484 Y3													0.004	0.01	0.02
FUG 0013 SW													0.12	0.15	0.20
GRP 0069 Cap 1													1.40		6.10
GRP 0070 Cap 2	6.90	6.80	53.80	52.5	4.90	4.70	0.16	0.20	4.00	3.90					

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals unless otherwise noted in a footnote.

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1409 - Dow Chemical Co - Louisiana Division

Activity Number: PER20090004

Permit Number: 2190-V1

Air - Title V Regular Permit Minor Mod

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0448 SM	Chloroform	0.005	0.01	0.02
EQT 0449 SP	Chloroform	<0.001	0.001	0.001
EQT 0450 6J	1,1,1-Trichloroethane	<0.001	0.001	<0.01
	1,1,2-Trichloroethane	<0.001	0.005	<0.01
	1,2-Dichloroethane	0.001	0.01	<0.01
	1,2-Dichloropropane	<0.001	0.005	<0.01
	Carbon disulfide	0.001	0.01	<0.01
	Carbon tetrachloride	<0.001	0.002	<0.01
	Chloroform	<0.001	0.001	<0.01
	Hexachlorobutadiene	<0.001	0.002	<0.01
	Hexachloroethane	<0.01	<0.01	<0.01
	Trichloroethylene	<0.001	0.005	<0.01
EQT 0451 GL	Vinyl chloride	<0.001	0.002	<0.01
	Vinylidene chloride	<0.001	0.002	<0.01
	Ammonia	0.07	0.10	0.30
	Epichlorohydrin	0.003	0.46	0.01
	Hydrochloric acid	0.27	2.00	1.20
EQT 0453 EO	Methanol	0.002	0.51	0.01
	Propylene oxide	0.01	1.90	0.04
	Formaldehyde		0.001	
	Formaldehyde		0.001	
	Formaldehyde		0.001	
EQT 0456 ER	Formaldehyde		0.001	
EQT 0457 ES	Formaldehyde		0.001	
EQT 0458 ET	Formaldehyde		0.001	
EQT 0459 EU	Formaldehyde		0.001	
EQT 0460 EV	Formaldehyde		0.001	
EQT 0461 EW	Formaldehyde		0.001	
EQT 0463 JC	1,4-Dioxane	0.01	0.04	0.02
	Acetaldehyde	0.02	0.07	0.10
	Ammonia	0.01	0.01	0.03
	Epichlorohydrin	0.01	0.07	0.03
	Methanol	0.48	1.41	2.10

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1409 - Dow Chemical Co - Louisiana Division

Activity Number: PER20090004

Permit Number: 2190-V1

Air - Title V Regular Permit Minor Mod

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0463 JC	Methyl chloride	0.001	0.002	<0.01
	Propylene oxide	0.005	0.07	0.02
EQT 0464 K0	Ammonia	0.001	0.01	<0.01
	Methanol	0.001	0.01	<0.01
	Propylene oxide	0.001	0.03	<0.01
EQT 0465 K1	Ammonia	0.001	0.01	<0.01
	Methanol	0.001	0.01	<0.01
	Propylene oxide	0.001	0.03	<0.01
EQT 0466 LQ	1,3-Butadiene	<0.001	0.002	0.001
	1,4-Dioxane	0.002	0.01	0.01
	Acetaldehyde	0.03	0.14	0.10
	Ammonia	0.002	0.002	0.01
	Chlorobenzene	<0.001	0.001	<0.001
	Chloroform	0.002	0.004	0.01
	Dichloromethane	0.001	0.01	<0.01
	Epichlorohydrin	0.01	0.10	0.05
	Methanol	0.30	0.54	1.33
	Methyl bromide	0.002	0.023	0.01
	Methyl chloride	0.03	0.23	0.12
EQT 0467 LR	Propylene oxide	0.01	0.19	0.10
	1,1,1-Trichloroethane		0.06	
	1,2-Dichloroethane		0.01	
	1,2-Dichloropropane		0.47	
	1,3-Butadiene		0.08	
	1,4-Dichlorobenzene		0.86	
	2,2'-dichlorodiethyl ether		0.12	
	Acetaldehyde		0.08	
	Benzene		0.04	
	Bromoform		0.01	
	Carbon tetrachloride		0.02	
	Chloroform		0.25	
	Epichlorohydrin		0.05	
	Methanol		0.15	

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1409 - Dow Chemical Co - Louisiana Division

Activity Number: PER20090004

Permit Number: 2190-V1

Air - Title V Regular Permit Minor Mod

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0467 LR	Methyl chloride		0.48	
	Naphthalene		2.17	
	Propylene oxide		1.40	
	Toluene		0.04	
	Vinyl chloride		0.23	
	Vinylidene chloride		0.02	
EQT 0468 LS	1,1,1-Trichloroethane		0.06	
	1,1,2,2-Tetrachloroethane		0.01	
	1,1,2-Trichloroethane		0.01	
	1,1-Dichloroethane		0.01	
	1,2-Dichloroethane		0.01	
	1,2-Dichloropropane		0.81	
	1,3-Butadiene		0.08	
	1,3-Dichlorobenzene		3.90	
	1,3-Dichloropropene		0.09	
	1,4-Dichlorobenzene		1.47	
	1,4-Dioxane		0.04	
	Acetaldehyde		0.14	
	Benzene		0.06	
	Bromoform		0.01	
	Carbon tetrachloride		0.03	
	Chlorobenzene		0.02	
	Chloroform		0.42	
	Dichloromethane		0.02	
	Epichlorohydrin		0.44	
	Ethyl benzene		0.02	
	Ethylene glycol		0.02	
	Methanol		0.42	
	Methyl bromide		0.05	
	Methyl chloride		0.84	
	Naphthalene		3.73	
	Propylene oxide		2.40	
	Toluene		0.07	

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1409 - Dow Chemical Co - Louisiana Division

Activity Number: PER20090004

Permit Number: 2190-V1

Air - Title V Regular Permit Minor Mod

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0468 LS	Trichloroethylene		0.06	
	Vinyl chloride		0.39	
	Vinylidene chloride		0.40	
EQT 0469 MQ	1,1,1-Trichloroethane		0.06	
	1,1,2,2-Tetrachloroethane		0.01	
	1,1,2-Trichloroethane		0.01	
	1,1-Dichloroethane		0.01	
	1,2-Dichloroethane		0.01	
	1,2-Dichloropropane		0.81	
	1,3-Butadiene		0.08	
	1,3-Dichlorobenzene		3.90	
	1,3-Dichloropropene		0.09	
	1,4-Dichlorobenzene		1.47	
	1,4-Dioxane		0.04	
	Acetaldehyde		0.14	
	Benzene		0.06	
	Bromoform		0.01	
	Carbon tetrachloride		0.03	
	Chlorobenzene		0.02	
	Chloroform		0.42	
	Dichloromethane		0.02	
	Epichlorohydrin		0.44	
	Ethyl benzene		0.02	
	Ethylene glycol		0.02	
	Methanol		0.42	
	Methyl bromide		0.05	
	Methyl chloride		0.84	
	Naphthalene		3.73	
	Propylene oxide		2.40	
	Toluene		0.07	
	Trichloroethylene		0.06	
	Vinyl chloride		0.39	
	Vinylidene chloride		0.40	

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1409 - Dow Chemical Co - Louisiana Division

Activity Number: PER20090004

Permit Number: 2190-V1

Air - Title V Regular Permit Minor Mod

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0471 P5	Acetaldehyde	0.001	0.003	<0.01
	Ammonia	0.02	0.15	0.10
	Epichlorohydrin	0.002	0.03	0.01
	Methanol	0.01	0.09	0.04
	Propylene oxide	0.01	0.20	0.02
EQT 0472 P6	1,2-Dichloropropane	<0.001	0.56	<0.01
	1,3-Butadiene	<0.001	0.156	<0.01
	1,4-Dichlorobenzene	<0.01	0.88	<0.01
	Acetaldehyde	0.01	0.43	0.03
	Ammonia	0.02	0.13	0.07
	Benzene	<0.01	0.04	<0.01
	Chloroform	0.002	0.49	0.01
	Dichloromethane	<0.01	0.03	<0.01
	Epichlorohydrin	0.73	1.98	3.20
	Ethylene glycol	<0.01	0.01	<0.01
	Methanol	0.06	1.37	0.26
	Methyl bromide	<0.001	0.862	<0.01
	Methyl chloride	<0.001	0.96	<0.01
	Naphthalene	<0.01	4.72	0.02
EQT 0473 PQ	Propylene oxide	0.46	12.57	2.00
	Vinyl chloride	<0.01	0.99	<0.01
EQT 0478 PX	Vinylidene chloride	<0.01	0.03	<0.01
	Chlorobenzene	<0.0001	<0.0001	<0.0001
EQT 0480 XX	Styrene	<0.01	<0.01	<0.01
	Chlorine	0.01	0.02	0.10
EQT 0481 XY	Chlorine	0.01	0.01	0.04
	Acetaldehyde	0.03	1.03	0.10
	Ammonia	0.09	0.25	0.40
	Dichloromethane	<0.01	<0.01	<0.01
	Epichlorohydrin	1.77	8.24	7.75
	Ethylene glycol	0.01	1.00	0.04
	Methanol	0.40	12.91	1.75
	Propylene oxide	2.00	54.50	8.70

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1409 - Dow Chemical Co - Louisiana Division

Activity Number: PER20090004

Permit Number: 2190-V1

Air - Title V Regular Permit Minor Mod

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0482 XZ	Acetaldehyde	0.03	1.03	0.10
	Ammonia	0.09	0.25	0.40
	Dichloromethane	<0.01	<0.01	<0.01
	Epichlorohydrin	1.77	8.24	7.75
	Ethylene glycol	0.01	1.00	0.04
	Methanol	0.40	12.91	1.75
	Propylene oxide	2.00	54.50	8.70
EQT 0483 Y1	Acetaldehyde	0.01	0.33	0.06
	Ammonia	0.03	0.10	0.15
	Chloroform	<0.001	0.01	<0.01
	Dichloromethane	<0.01	<0.01	<0.01
	Epichlorohydrin	0.94	4.36	4.10
	Ethylene glycol	0.003	0.42	0.01
	Methanol	0.18	5.91	0.80
	Methyl bromide	<0.001	0.001	<0.01
	Propylene oxide	0.90	24.59	3.95
	Vinyl chloride	<0.001	0.02	<0.01
EQT 0484 Y3	Chloroform	0.004	0.01	0.02
EQT 0485 Y4	Ammonia	0.30	0.36	1.30
EQT 0486 ZJ	Hydrochloric acid	0.06	4.20	0.30
EQT 0838 SU	Hydrochloric acid	0.15		0.65
	Sulfuric acid	<0.001		<0.01
FUG 0013 SW	Ammonia	0.01	0.01	0.04
	Ethylene glycol	<0.001	<0.001	<0.01
	Hydrochloric acid	0.01	0.02	0.10
	Methanol	0.001	0.001	<0.01
	Propylene oxide	<0.001	<0.001	<0.01
	Sulfuric acid	0.01	0.01	0.10
GRP 0069 Cap 1	1,1,1-Trichloroethane	<0.01		<0.01
	1,1,2,2-Tetrachloroethane	<0.01		<0.01
	1,1,2-Trichloroethane	<0.01		<0.01
	1,1-Dichloroethane	<0.01		<0.01
	1,2-Dichloroethane	0.002		0.01

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1409 - Dow Chemical Co - Louisiana Division

Activity Number: PER20090004

Permit Number: 2190-V1

Air - Title V Regular Permit Minor Mod

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
GRP 0069 Cap 1	1,2-Dichloropropane	0.02		0.10
	1,3-Butadiene	<0.01		<0.01
	1,3-Dichlorobenzene	<0.01		<0.01
	1,3-Dichloropropene	<0.01		<0.01
	1,4-Dichlorobenzene	0.02		0.08
	1,4-Dioxane	<0.01		<0.01
	2,2'-dichlorodiethylether	<0.01		0.04
	Acetaldehyde	0.04		0.20
	Benzene	<0.01		<0.01
	Bromoform	0.002		0.01
	Carbon tetrachloride	0.002		0.01
	Chloroform	0.01		0.03
	Dichloromethane	0.002		0.01
	Epichlorohydrin	0.06		0.30
	Ethyl benzene	<0.01		<0.01
	Ethylene glycol	<0.01		<0.01
	Methanol	0.16		0.70
	Methyl bromide	0.02		0.10
	Methyl chloride	0.41		1.80
	Naphthalene	0.04		0.18
	Propylene oxide	0.34		1.50
	Toluene	0.002		0.01
	Trichloroethylene	<0.01		<0.01
	Vinyl chloride	0.002		0.01
	Vinyldene chloride	0.005		0.02
GRP 0070 Cap 2	Formaldehyde	0.004		<0.01
UNF 0009	1,1,2-Trichloroethane			<0.01
	1,2-Dichloroethane			0.01
	1,2-Dichloropropane			0.10
	1,3-Butadiene			<0.01
	1,4-Dichlorobenzene			0.08
	1,4-Dioxane			0.03
	2,2'-dichlorodiethylether			0.04

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1409 - Dow Chemical Co - Louisiana Division

Activity Number: PER20090004

Permit Number: 2190-V1

Air - Title V Regular Permit Minor Mod

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
UNF 0009	Acetaldehyde			0.69
	Ammonia			2.8
	Benzene			<0.01
	Bromoform			0.01
	Carbon disulfide			<0.01
	Carbon tetrachloride			0.01
	Chlorine			0.14
	Chlorobenzene			<0.001
	Chloroform			0.09
	Dichloromethane			0.01
	Epichlorohydrin			23.20
	Ethyl benzene			<0.01
	Ethylene glycol			0.10
	Formaldehyde			<0.01
	Hexachlorobutadiene			<0.01
	Hexachloroethane			<0.01
	Hydrochloric acid			2.25
	Methanol			8.74
	Methyl bromide			0.11
	Methyl chloride			1.92
	Naphthalene			0.2
	Propylene oxide			25.03
	Styrene			<0.01
	Sulfuric acid			0.11
	Toluene			0.01
	Trichloroethylene			<0.01
	Vinyl chloride			0.01
	Vinylidene chloride			0.02

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals unless otherwise noted in a footnote. Emission rates attributed to the UNF reflect the sum of the TAP/HAP limits of the individual emission points (or caps) under this permit, but do not constitute an emission cap.

SPECIFIC REQUIREMENTS**AID: 1409 - Dow Chemical Co - Louisiana Division****Activity Number: PER20090004****Permit Number: 2190-V1****Air - Title V Regular Permit Minor Mod****EQT 0450 6J - Environmental Operations Carbon Drums**

1 [LAC 33:III.501.C.6]

VOC, Total monitored by the regulation's specified method(s) daily. Monitor VOC breakthrough using a portable VOC detector until the reliable life expectancy of the canister is established. (State-Only Requirement).

Which Months: All Year Statistical Basis: None specified

Equipment/operational data recordkeeping by electronic or hard copy daily. Keep records of the tests to determine carbon canister life, as well as the dates of canister replacement, on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. (State-Only Requirement).

Replace canisters as necessary to maintain a control efficiency of 95% minimum. (State-Only Requirement).

Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. A carbon drum is operated as a control device for tank T-941-2. The carbon drum shall be operated at 95% control efficiency. Determined as MACT.

EQT 0451 6L - EOB Sump 11

5 [LAC 33:III.5109.A]

Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. No additional controls required. Determined as MACT.

EQT 0462 HK - Packtherm Pit Burner

6 [40 CFR 60.2555(i)]

Air curtain incinerators that burn only (1) 100 percent wood waste, (2) 100 percent clean lumber, and (3) 100 percent mixture of only wood waste, clean lumber, and/or yard waste are only required to meet the requirements under "Air Curtain Incinerators" (40 CFR 60.2810 through 40 CFR 60.2870). [40 CFR 60.2555(i)]

Opacity <= 10 percent, except as described in 40 CFR 60.2860(a)(2). [40 CFR 60.2860(a)(1)]

Which Months: All Year Statistical Basis: Six-minute average

Opacity <= 35 percent during the startup period that is within the first 30 minutes of operation. [40 CFR 60.2860(a)(2)]

Which Months: All Year Statistical Basis: Six-minute average

Except during malfunctions, the requirements of 40 CFR 60 Subpart DDDD apply at all times, and each malfunction must not exceed 3 hours. [40 CFR 60.2860(b)]

Permittee shall use Method 9 of appendix A of 40 CFR 60 to determine compliance with the opacity limitation. [40 CFR 60.2865(a)]

Conduct an initial test for opacity as specified in 40 CFR 60.8 no later than 180 days after your final compliance date. [40 CFR 60.2865(b)]

After the initial test for opacity, conduct annual tests no more than 12 calendar months following the date of your previous test. [40 CFR 60.2865(c)]

Keep records of results of all initial and annual opacity tests onsite in either paper copy or electronic format, unless the Administrator approves another format, for at least 5 years. Make all records available for submittal to the Administrator or for an inspector's onsite review. [40 CFR 60.2870(a), 40 CFR 60.2870(b)]

Submit annual opacity test results within 12 months following the previous report. [40 CFR 60.2870(d)]

Submit initial and annual opacity test reports as electronic or paper copy on or before the applicable submittal date and keep a copy onsite for a period of 5 years. [40 CFR 60.2870(e)]

SPECIFIC REQUIREMENTS

AID: 1409 - Dow Chemical Co - Louisiana Division
Activity Number: PER20090004
Permit Number: 2190-V1
Air - Title V Regular Permit Minor Mod

EQT 0462 HK - Pachtherr Pit Burner

16 [LAC 33:III.1.101.B] Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.

Which Months: All Year Statistical Basis: None specified

17 [LAC 33:III.1.131.C] Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.

Which Months: All Year Statistical Basis: Six-minute average

18 [LAC 33:III.501.C.6] Opacity <= 20 percent, except for a 30-minute start-up period once a day (State-Only Requirement).

Which Months: All Year Statistical Basis: None specified

EQT 0463 JC - Environmental Operations UHDE Clarifier

19 [LAC 33:III.2115.K.4] Equipment/operational data recordkeeping by electronic or hard copy as needed. Maintain records to demonstrate that the criteria are being met for any exemption claimed. Maintain records on the premises for at least two years and make such information available to representatives of the Louisiana Department of Environmental Quality and the Environmental Protection Agency upon request.

Control emissions of toxic air pollutants to degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. No additional controls required. Determined as MACT.

EQT 0464 K0 - Environmental Operations T-6A Storage Tank

21 [LAC 33:III.5109.A] Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. No additional controls required. Determined as MACT.

EQT 0465 K1 - Environmental Operations T-6C Storage Tank

22 [LAC 33:III.5109.A] Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. No additional controls required. Determined as MACT.

EQT 0466 LQ - Environmental Operations UHDE Reactor

23 [40 CFR 63.138(l)] Achieve the required mass removal (RMR) of Table 8 and/or Table 9 compounds as specified. Determine compliance as specified in 40 CFR 63.145(e) or (f). Subpart G. [40 CFR 63.138(l)] Permittee shall meet each applicable emission limit and work practice standard listed in Tables 1 of 40 CFR 63 Subpart UUUU. [40 CFR 63.5505(a)]

24 [40 CFR 63.5505(a)] Permittee shall meet each applicable operating limit in Table 2 of 40 CFR 63 Subpart UUUU. [40 CFR 63.5505(b)] Permittee shall be in compliance with the emission limits, operating limits, and work practice standards in 40 CFR 63 Subpart UUUU at all times, except during periods of startup, shutdown, and malfunction. [40 CFR 63.5515(a)]

SPECIFIC REQUIREMENTS

AI ID: 1409 - Dow Chemical Co - Louisiana Division

Activity Number: PER2009004

Permit Number: 2190-V1

Air - Title V Regular Permit Minor Mod

EQT 0466 LQ - Environmental Operations UHDE Reactor

- 27 [40 CFR 63.5515(b)]
Permittee shall operate and maintain the affected source, including air pollution control and monitoring equipment, according to the provisions in 40 CFR 63.6(e)(1)(i). [40 CFR 63.5515(b)]
- 28 [40 CFR 63.5515(c)]
The permittee shall develop and implement a written startup, shutdown, and malfunction (SSM) plan according to the provisions in 40 CFR 63.6(e)(3). [40 CFR 63.5515(c)]
- 29 [40 CFR 63.5530]
Permittee shall demonstrate initial compliance with the emission limits and work practice standards of 40 CFR 63 Subpart UUUU by complying with all applicable requirements of 40 CFR 63.5530(a) through (c).
- 30 [40 CFR 63.5535]
Permittee shall conduct performance tests in accordance with the requirements in 40 CFR 63.5535.
- 31 [40 CFR 63.5555(a)]
Mixed Liquor Suspended Solids (MLSS) > 3.6 g/L (biomass concentration). [40 CFR 63.5555(a)]
- 32 [40 CFR 63.5555(a)]
Wastewater Volumetric Feed Flow rate < 178,700 liters/hr. [40 CFR 63.5555(a)]
- 33 [40 CFR 63.5555(a)]
Which Months: All Year Statistical Basis: None specified
Permittee shall demonstrate continuous compliance with each emission limit, operating limit, and work practice in Tables 1 and 2 of 40 CFR 63 Subpart UUUU according to the methods specified in Tables 5 and 6 of 40 CFR 63 Subpart UUUU. [40 CFR 63.5555(a)]
- 34 [40 CFR 63.5555(a)]
Aeration Basin Temperature > 25.6 C. [40 CFR 63.5555(a)]
- 35 [40 CFR 63.5555(b)]
Which Months: All Year Statistical Basis: None specified
The permittee shall report each instance when the permittee is not in continuous compliance (as specified in Tables 5 and 6 to this subpart) with each applicable emission limit, each operating limit, and each work practice standard. This includes periods of startup, shutdown, and malfunction. These instances are deviations from the emission limits, operating limits, and work practice standards in 40 CFR 63 Subpart UUUU. These deviations shall be reported according to the requirements in 40 CFR 63.5580. [40 CFR 63.5555(b)]
- 36 [40 CFR 63.5555(c)]
During periods of startup, shutdown, and malfunction, the permittee shall operate according to the SSM plan. [40 CFR 63.5555(c)]
- 37 [40 CFR 63.5580]
Permittee shall submit the applicable reports listed in Table 8 of 40 CFR 63 Subpart UUUU and 40 CFR 63.5580.
- 38 [40 CFR 63.5585]
Permittee shall keep the records listed in Table 9 of 40 CFR 63 Subpart UUUU, and shall maintain the records as per 40 CFR 63.5590.
- 39 [40 CFR 63.5600(a)]
Permittee shall comply with all applicable requirements of 40 CFR 63 Subpart A as per Table 10 of 40 CFR 63 Subpart UUUU. [40 CFR 63.5600(a)]
- 40 [40 CFR 63.Sub. UUUU]
Wastewater emissions subject to 40 CFR 63 Subpart UUUU (Cellulose MACT) shall comply with all applicable requirements of 40 CFR 63.105 and 40 CFR 63.132 through 140 (Subpart G) (40 CFR 63.Sub. UUUU(Table 1)). [40 CFR 63.Sub. UUUU]
- 41 [LAC 33:III.2115.K.4]
Equipment/operational data recordkeeping by electronic or hard copy as needed. Maintain records to demonstrate that the criteria are being met for any exemption claimed. Maintain records on the premises for at least two years and make such information available to representatives of the Louisiana Department of Environmental Quality and the Environmental Protection Agency upon request.
- 42 [LAC 33:III.5109.A]
Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. No additional controls required. Determined as MACT.

EQT 0467 LR - Environmental Operations EC-3 Wastewater Storage Tank

- 43 [LAC 33:III.5109.A]
Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Complying with the recordkeeping requirements of 40 CFR 60 Subpart Kb for Group 2 storage vessels constitutes MACT.

SPECIFIC REQUIREMENTS

AI ID: 1409 - Dow Chemical Co - Louisiana Division
Activity Number: PER2009004
Permit Number: 2190-V1
Air - Title V Regular Permit Minor Mod

EQT 0468 LS - Environmental Operations EC-4 Wastewater Storage Tank

- Operate and maintain an external floating roof that meets the requirements specified in 40 CFR 63.119(c), 63.120(b)(5) and 63.120(b)(6), as referenced by 40 CFR 63 Subpart UUUU. Subpart G. [40 CFR 63.133(a)(2)(iii)] Measure seal gaps according to the procedures specified in 40 CFR 63.120(b)(2)(i) through (b)(4) and inspect the wastewater tank to determine compliance with 40 CFR 63.120(b)(5) and (b)(6), except as specified in 40 CFR 63.133(e). Subpart G. [40 CFR 63.133(d)] Wastewater emissions subject to 40 CFR 63 Subpart UUUU (Cellulose MACT) shall comply with all applicable requirements of 40 CFR 63.105 and 40 CFR 63.132 through 140 (Subpart G). [40 CFR 63.5505(a)] Permittee shall meet each applicable emission limit and work practice standard listed in Tables 1 of 40 CFR 63 Subpart UUUU. [40 CFR 63.5505(a)]
- Permittee shall be in compliance with the emission limits and work practice standards in 40 CFR 63 Subpart UUUU at all times, except during periods of startup, shutdown, and malfunction. [40 CFR 63.5515(a)] Permittee shall operate and maintain the affected source, including air pollution control and monitoring equipment, according to the provisions in 40 CFR 63.6(e)(1)(i). [40 CFR 63.5515(b)] Permittee shall demonstrate initial compliance with the emission limits and work practice standards of 40 CFR 63 Subpart UUUU by complying with the initial compliance requirements of 40 CFR 63.5530(a) through (c), as applicable.
- Permittee shall demonstrate continuous compliance with each emission limit and work practice standard in Table 1 of 40 CFR 63 Subpart UUUU according to the methods specified in Table 5 of 40 CFR 63 Subpart UUUU. [40 CFR 63.5555(a)]
- Permittee shall submit the applicable reports listed in Table 8 of 40 CFR 63 Subpart UUUU and 40 CFR 63.5580.
- Permittee shall keep the records listed in Table 9 of 40 CFR 63 Subpart UUUU as applicable, and shall maintain the records as per 40 CFR 63.5590.
- Permittee shall comply with all applicable requirements of 40 CFR 63 Subpart A as per Table 10 of 40 CFR 63 Subpart UUUU. [40 CFR 63.5600(a)]
- Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Tank is equipped with a single external floating roof meeting the requirements of 40 CFR 63.133(a)(2) which constitutes MACT.

EQT 0469 MQ - Environmental Operations EC-5 Wastewater Storage Tank

- Operate and maintain an external floating roof that meets the requirements specified in 40 CFR 63.119(c), 63.120(b)(5) and 63.120(b)(6), as referenced by 40 CFR 63 Subpart UUUU. Subpart G. [40 CFR 63.133(a)(2)(iii)] Measure seal gaps according to the procedures specified in 40 CFR 63.120(b)(2)(i) through (b)(4) and inspect the wastewater tank to determine compliance with 40 CFR 63.120(b)(5) and (b)(6), except as specified in 40 CFR 63.133(e). Subpart G. [40 CFR 63.133(d)] Wastewater emissions subject to 40 CFR 63 Subpart UUUU (Cellulose MACT) shall comply with all applicable requirements of 40 CFR 63.105 and 40 CFR 63.132 through 140 (Subpart G). [40 CFR 63.5505(a)] Permittee shall meet each applicable emission limit and work practice standard listed in Tables 1 of 40 CFR 63 Subpart UUUU. [40 CFR 63.5505(a)]
- Permittee shall be in compliance with the emission limits and work practice standards in 40 CFR 63 Subpart UUUU at all times, except during periods of startup, shutdown, and malfunction. [40 CFR 63.5515(a)]

SPECIFIC REQUIREMENTS

AI ID: 1409 - Dow Chemical Co - Louisiana Division

Activity Number: PER20090004

Permit Number: 2190-V1

Air - Title V Regular Permit Minor Mod

EQT 0469 MQ - Environmental Operations EC-5 Wastewater Storage Tank

- 61 [40 CFR 63.5515(b)]
Permittee shall operate and maintain the affected source, including air pollution control and monitoring equipment, according to the provisions in 40 CFR 63.6(e)(1)(i). [40 CFR 63.5515(b)]
- 62 [40 CFR 63.5530]
Permittee shall demonstrate initial compliance with the emission limits and work practice standards of 40 CFR 63 Subpart UUUU by complying with the initial compliance requirements of 40 CFR 63.5530(a) through (c), as applicable.
- 63 [40 CFR 63.5555(a)]
Permittee shall demonstrate continuous compliance with each emission limit and work practice standard in Table 1 of 40 CFR 63 Subpart UUUU according to the methods specified in Table 5 of 40 CFR 63 Subpart UUUU. [40 CFR 63.5555(a)]
- 64 [40 CFR 63.5580]
Permittee shall submit the applicable reports listed in Table 8 of 40 CFR 63 Subpart UUUU and 40 CFR 63.5580.
- 65 [40 CFR 63.5585]
Permittee shall keep the records listed in Table 9 of 40 CFR 63 Subpart UUUU as applicable, and shall maintain the records as per 40 CFR 63.5590.
- 66 [40 CFR 63.5600(a)]
Permittee shall comply with all applicable requirements of 40 CFR 63 Subpart A as per Table 10 of 40 CFR 63 Subpart UUUU. [40 CFR 63.5600(a)]
- 67 [LAC 33.III.5109.A]
Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Tank is equipped with a single external floating roof meeting the requirements of 40 CFR 63.133(a)(2) which constitutes MACT.

EQT 0470 P1 - Environmental Operations T-9B Bag House

- 68 [LAC 33.III.1311.B]
Total suspended particulate <= 7.58 lb/hr. The rate of emission shall be the total of all emission points from the source.
- 69 [LAC 33.III.501.C.6]
Particulate matter (10 microns or less) >= 99.9 % removal efficiency. (State-Only Requirement).
- 70 [LAC 33.III.501.C.6]
Which Months: All Year Statistical Basis: None specified
Filter elements (bags): Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of inspection. Keep records of maintenance inspections on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. (State-Only Requirement).
- 71 [LAC 33.III.501.C.6]
Filter vents: Visible emissions monitored by visual inspection/determination daily. (State-Only Requirement).
- 72 [LAC 33.III.501.C.6]
Which Months: All Year Statistical Basis: None specified
Filter elements (bags): Equipment/operational data monitored by technically sound method once every six months or whenever visual checks indicate maintenance may be necessary. Change elements as necessary. (State-Only Requirement).
- 73 [LAC 33.III.501.C.6]
Which Months: All Year Statistical Basis: None specified
Filter vents: Visible emissions recordkeeping by electronic or hard copy daily. Keep records of visual checks on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. (State-Only Requirement).

EQT 0471 P5 - Environmental Operations Filter Press

- 74 [LAC 33.III.1311.B]
Total suspended particulate <= 25.1 lb/hr. The rate of emission shall be the total of all emission points from the source.
- 75 [LAC 33.III.2115.K.4]
Equipment/operational data recordkeeping by electronic or hard copy as needed. Maintain records to demonstrate that the criteria are being met for any exemption claimed. Maintain records on the premises for at least two years and make such information available to representatives of the Louisiana Department of Environmental Quality and the Environmental Protection Agency upon request.

SPECIFIC REQUIREMENTS

AI ID: 1409 - Dow Chemical Co - Louisiana Division

Activity Number: PER20090004

Permit Number: 2190-Y

Air - Title V Regular Permit Minor Mod

EQT 0471 P5 - Environmental Operations Filter Press

- Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.
No additional controls required. Determined as MACT.

EQT 0472 P6 - Environmental Operations UNOX Reactor

- Equipment/operational data recordkeeping by electronic or hard copy as needed. Maintain records to demonstrate that the criteria are being met for any exemption claimed. Maintain records on the premises for at least two years and make such information available to representatives of the Louisiana Department of Environmental Quality and the Environmental Protection Agency upon request.
Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.
No additional controls required. Determined as MACT.

EQT 0473 PQ - T-130 Storage Tank

- Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.
Emissions from this tank are exempt from controls since the vapor pressure is less than 1.5 psia.

EQT 0474 PR - T-135 Storage Tank

- Equip with a submerged fill pipe.
Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e.
Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.1.1 - 7, as applicable.
Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.
Complying with LAC 33:III.2103.A (submerged fill pipe) constitutes MACT.

EQT 0478 PX - Environmental Operations CT-50 Cooling Tower

- Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
Which Months: All Year Statistical Basis: Six-minute average
Equipment/operational data recordkeeping by electronic or hard copy as needed. Maintain records to demonstrate that the criteria are being met for any exemption claimed. Maintain records on the premises for at least two years and make such information available to representatives of the Louisiana Department of Environmental Quality and the Environmental Protection Agency upon request.

EQT 0480 XX - UHDE Treatment System Cooling Tower

SPECIFIC REQUIREMENTS

AI ID: 1409 - Dow Chemical Co - Louisiana Division
Activity Number: PER20090004
Permit Number: 2190-V1
Air - Title V Regular Permit Minor Mod

EQT 0480 XX - UHDE Treatment System Cooling Tower

86 [LAC 33:III.1311.C] Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.

87 [LAC 33:III.2115.K.4] Which Months: All Year Statistical Basis: Six-minute average Equipment/operational data recordkeeping by electronic or hard copy as needed. Maintain records to demonstrate that the criteria are being met for any exemption claimed. Maintain records on the premises for at least two years and make such information available to representatives of the Louisiana Department of Environmental Quality and the Environmental Protection Agency upon request.

EQT 0481 XY - Environmental Operations S-1A Clarifier

88 [LAC 33:III.5109.A] Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. No additional controls required. Determined as MACT.

EQT 0482 XZ - Environmental Operations S-1B Clarifier

89 [LAC 33:III.5109.A] Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. No additional controls required. Determined as MACT.

EQT 0483 Y1 - Environmental Operations S-2B Clarifier

90 [LAC 33:III.5109.A] Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. No additional controls required. Determined as MACT.

EQT 0485 Y4 - Environmental Operations Ammonia Load Line Clearing

91 [LAC 33:III.5109.A] Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Emits Class III TAP only. MACT is not required.

EQT 0838 5U - Environmental Operations T-3B Storage Tank

92 [LAC 33:III.5109.A] Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Emits Class III TAPs only. MACT is not required.

FUG 0013 5W - Environmental Operations Fugitives

93 [LAC 33:III.5109.A] Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. No additional controls required. Determined as MACT.

GRP 0069 Cap 1 - Cap of EC-3/4/5

SPECIFIC REQUIREMENTS**AI ID: 1409 - Dow Chemical Co - Louisiana Division****Activity Number: PER20090004****Permit Number: 2190-V1****Air - Title V Regular Permit Minor Mod****GRP 0069 Cap 1 - Cap of EC-3/4/5****Group Members: EQT 0467EQT 0468EQT 0469**

94 [LAC 33:III.501.C.6]

Equipment/operational data recordkeeping by electronic or hard copy monthly. Keep records of the total calculated emissions each month, as well as the total calculated emissions for the last twelve months. Make records available for inspection by DEQ personnel. The permittee shall store UHDE and UNOX influent streams in any of the tanks (EC-3, EC-4, or EC-5) listed in this cap. The permittee, however, shall not mix the two different types of influents (UHDE and UNOX) in either of these tanks. Cellulose Plant water shall not be routed to EC-3 (EIQ No. LR) unless approved through a permit modification; if approved, EC-3 (EIQ No. LR) shall be subject to the requirements of 40 CFR 63 Subpart UUUUU (Cellulose MACT).

96 [LAC 33:III.501.C.6]

Submit report: Due annually, by the 31st of March. Report the total calculated emissions for the preceding calendar year to the Office of Environmental Compliance, Enforcement Division.

97 [LAC 33:III.501.C.6]

Equipment/operational data monitored by technically sound method monthly.
Which Months: All Year Statistical Basis: None specified

GRP 0070 Cap 2 - 1,000 hp Diesel Water Well Engines**Group Members: EQT 0453EQT 0454EQT 0455EQT 0456EQT 0457EQT 0458EQT 0459EQT 0460EQT 0461**

98 [LAC 33:III.1101.B]

Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.

99 [LAC 33:III.1131.C]

Which Months: All Year Statistical Basis: None specified
Opacity <= 20 percent, except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.

100 [LAC 33:III.1513]

Which Months: All Year Statistical Basis: Six-minute average
Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III. Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request.

101 [LAC 33:III.501.C.6]

Equipment/operational data monitored by technically sound method monthly.
Which Months: All Year Statistical Basis: None specified

102 [LAC 33:III.501.C.6]

Submit report: Due annually, by the 31st of March. Report the total hours of operation for all of the engines in this cap for the preceding calendar year to the Office of Environmental Compliance, Enforcement Division.
Operating time recordkeeping by electronic or hard copy monthly. Keep records of the total hours of operation each month for all of the engines in this cap, as well as the total hours of operation for all of the engines in this cap for the last twelve months. Make records available for inspection by DEQ personnel.

104 [LAC 33:III.501.C.6]

Operating time <= 17,536 hr/yr (combined total) for all of the nine engines in this cap (EIQ Nos. EO through EW). Noncompliance with this limitation is a reportable violation of the permit. Notify the Office of Environmental Compliance, Enforcement Division if annual hours of operation exceeds the maximum listed in this specific condition for any twelve consecutive month period.
Which Months: All Year Statistical Basis: Annual maximum

SPECIFIC REQUIREMENTS

AI ID: 1409 - Dow Chemical Co - Louisiana Division
Activity Number: PER20090004
Permit Number: 2190-V1
Air - Title V Regular Permit Minor Mod

GRP 0070 Cap 2 - 1,000 hp Diesel Water Well Engines

105 [LAC 33:III.5109.A]

Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.
 No additional controls required. Determined as MACT.

UNF 0009 - Environmental Operations Plant

- 106 [40 CFR 60.1]
- 107 [40 CFR 60.2505]
- 108 [40 CFR 61.01]
- 109 [40 CFR 61.340]
- 110 [40 CFR 61.348(b)(2)]
- 111 [40 CFR 61.356]
- 112 [40 CFR 61.357]
- 113 [40 CFR 63.1]
- 114 [40 CFR 63.5485]
- 115 [LAC 33:III.1103]
- 116 [LAC 33:III.1303.B]
- 117 [LAC 33:III.2113.A]
- 118 [LAC 33:III.2153.B.4]
- 119 [LAC 33:III.2153.F]

All affected facilities shall comply with all applicable provisions in 40 CFR 60 Subpart A.

Permittee shall comply with all applicable requirements of 40 CFR 60 Subpart DDDD.

All affected facilities shall comply with all applicable provisions in 40 CFR 61 Subpart A.

Permittee shall comply with all applicable requirements of 40 CFR 61 Subpart FF.

The provisions of 40 CFR 61.348(b)(1) do not apply to any waste management unit that the owner or operator demonstrates to meet the conditions stated in 40 CFR 61.348(b)(2)(i) and (ii) initially and thereafter, at least once per year. [40 CFR 61.348(b)(2)]
 Equipment/operational data recordkeeping by electronic or hard copy continuously. Maintain records as specified in 40 CFR 61.356(a) through (n). Maintain each record in a readily accessible location at the facility site for a period not less than two years from the date the information is recorded unless otherwise specified. Subpart FF.

Permittee shall comply with all applicable reporting requirements of 40 CFR 61.357.

All affected facilities shall comply with all applicable provisions of 40 CFR 63 Subpart A.

Permittee shall comply with all applicable requirements of 40 CFR 63 Subpart UUUU (Cellulose MACT).

Emissions of smoke which pass onto or across a public road and create a traffic hazard by impairment of visibility as defined in LAC 33:III.111 or intensify an existing traffic hazard condition are prohibited.
 Emissions of particulate matter which pass onto or across a public road and create a traffic hazard by impairment of visibility or intensify an existing traffic hazard condition are prohibited.

Maintain best practical housekeeping and maintenance practices at the highest possible standards to reduce the quantity of organic compounds emissions. Good housekeeping shall include, but not be limited to, the practices listed in LAC 33:III.2113.A.1-5.

Any wastewater component that becomes subject to LAC 33:III.2153 by exceeding the provisions of LAC 33:III.2153.G, or becoming an affected VOC wastewater stream as defined in LAC 33:III.2153.A, will remain subject to the requirements of 2153. This will be the case even if the component later falls below the above-mentioned provisions unless and until emissions are reduced to a level at or below the controlled emissions level existing prior to the implementation of the project by which throughput or emission rate was reduced and less than the applicable exemption levels in LAC 33:III.2153.G, and if the conditions of LAC 33:III.2153.B.4 and b are met.
 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain records, for at least five years, of the items listed in LAC 33:III.2153.F.1 through F.4, and make available upon request to representatives of DEQ, the U.S. Environmental Protection Agency, or any local air pollution control agency having jurisdiction in the area.

SPECIFIC REQUIREMENTS**AI ID: 1409 - Dow Chemical Co - Louisiana Division****Activity Number: PER2009004****Permit Number: 2190-V1****Air - Title V Regular Permit Minor Mod****UNF 0009 - Environmental Operations Plant**

120 [LAC 33:III.2153.G.4.b]

Submit report: Due annually, by the 31st of March to the Office of Environmental Assessment, Environmental Technology Division, which demonstrates that the overall control of VOC emissions at the affected source category from which wastewater is generated during the preceding calendar year is at least 90 percent less than the 1990 baseline emissions inventory. At a minimum, the report shall include the information specified in LAC 33:III.2153.G.4.b. The emission rates for the preceding calendar year shall be calculated in a manner consistent with the 1990 baseline emissions inventory.

121 [LAC 33:III.219]

Failure to pay the prescribed application fee or annual fee as provided herein, within 90 days after the due date, will constitute a violation of these regulations and shall subject the person to applicable enforcement actions under the Louisiana Environmental Quality Act including, but not limited to, revocation or suspension of the applicable permit, license, registration, or variance.

122 [LAC 33:III.2901.D]

Discharges of odorous substances at or beyond property lines which cause a perceived odor intensity of six or greater on the specified eight point butanol scale as determined by Method 41 of LAC 33:III.2901.G are prohibited.

123 [LAC 33:III.2901.F]

If requested to monitor for odor intensity, take and transport samples in a manner which minimizes alteration of the samples either by contamination or loss of material. Evaluate all samples as soon after collection as possible in accordance with the procedures set forth in LAC 33:III.2901.G.

124 [LAC 33:III.501.C.6]

Maintain, to the extent practicable, a leak-free facility taking such steps as are necessary and reasonable to prevent leaks and to expeditiously repair leaks that occur. Update the written plan presently required by LAC 33:III.2113.A.4 within 30 days of receipt of this permit to incorporate these general duty obligations into the housekeeping procedures. The plan shall then be considered a means of emission control subject to the required use and maintenance provisions of LAC 33:III.905. Failure to develop, use, and diligently maintain the plan shall be a violation of this permit.

125 [LAC 33:III.501.C.6]

Maintain best practical housekeeping and maintenance practices at the highest possible standards to control emissions of highly reactive volatile organic compounds (HRVOC), which include 1,3-Butadiene, Butene, cis-2-Butene, trans-2-Butene, Ethylene, Propylene, Toluene, Xylene, n/p-Xylenes, o-Xylene.

126 [LAC 33:III.5105.A.1]

Do not construct or modify any stationary source subject to any standard set forth in LAC 33:III.Chapter 51.Subchapter A without first obtaining written authorization from DEQ in accordance with LAC 33:III.Chapter 51.Subchapter A, after the effective date of the standard.

127 [LAC 33:III.5105.A.2]

Do not cause a violation of any ambient air standard listed in LAC 33:III.Table 51.2, unless operating in accordance with LAC 33:III.5109.

128 [LAC 33:III.5105.A.3]

Do not build, erect, install, or use any article, machine, equipment, process, or method, the use of which conceals an emission that would otherwise constitute a violation of an applicable standard.

129 [LAC 33:III.5105.A.4]

Do not fail to keep records, notify, report or revise reports as required under LAC 33:III Chapter 51.Subchapter A.

130 [LAC 33:III.5107.A.3]

Include a certification statement with initial and subsequent annual emission reports and revisions to any emission report to attest that the information contained in the emission report is true, accurate, and complete, and signed by a responsible official, as defined in LAC 33:III.502.

131 [LAC 33:III.5107.A]

Include the full name of the responsible official, title, signature, date of signature and phone number of the responsible official. The certification statement shall read: "I certify, under penalty of perjury, that the emissions data provided is accurate to the best of my knowledge, information, and belief, and I understand that submitting false or misleading information will expose me to prosecution under state regulations"

Submit Annual Emissions Report: Due annually, by the 31st of March unless otherwise directed by DEQ, to the Office of Environmental Assessment in a format specified by DEQ. Identify the quantity of emissions in the previous calendar year for any toxic air pollutant listed in Table 51.1 or Table 51.3.

SPECIFIC REQUIREMENTS**AI ID: 1409 - Dow Chemical Co - Louisiana Division****Activity Number: PER20090004****Permit Number: 2190-V1****Air - Title V Regular Permit Minor Mod****UNF 0009 - Environmental Operations Plant**

132 [LAC 33:III.5107.B.1]

Submit notification: Due to the Department of Public Safety 24-hour Louisiana Emergency Hazardous Materials Hotline at (225) 925-6595 immediately, but no later than 1 hour, after any discharge of a toxic air pollutant into the atmosphere which results or threatens to result in an emergency condition (a condition which could reasonably be expected to endanger the health and safety of the public, cause significant adverse impact to the land, water or air environment, or cause severe damage to property).

133 [LAC 33:III.5107.B.2]

Submit notification: Due to the Office of Environmental Compliance, except as provided in LAC 33:III.5107.B.6, no later than 24 hours after the beginning of any unauthorized discharge into the atmosphere of a toxic air pollutant as a result of bypassing an emission control device, when the emission control bypass was not the result of an upset, and the quantity of the unauthorized bypass is greater than or equal to the lower of the Minimum Emission Rate (MER) in LAC 33:III.Chapter 51.Table 51.1 or a reportable quantity (RQ) in LAC 33:I.3931, or the quantity of the unauthorized bypass is greater than one pound and there is no MER or RQ for the substance in question. Submit notification in the manner provided in LAC 33:I.3923.

134 [LAC 33:III.5107.B.3]

Submit notification: Due to the Office of Environmental Compliance immediately, but in no case later than 24 hours after any unauthorized discharge of a toxic air pollutant into the atmosphere that does not cause an emergency condition, the rate or quantity of which is in excess of that allowed by permit, compliance schedule, or variance, or for upset events that exceed the reportable quantity in LAC 33:I.3931, except as provided in LAC 33:III.5107.B.6. Submit notification in the manner provided in LAC 33:I.3923.

135 [LAC 33:III.5107.B.4]

Submit written report: Due within seven calendar days of learning of any such discharge or equipment bypass as referred to in LAC 33:III.5107.B.1 through 3. Submit report to the Office of Environmental Compliance by certified mail. Include the information specified in LAC 33:III.5107.B.4.a.i through viii.

136 [LAC 33:III.5107.B.5]

Report all discharges to the atmosphere of a toxic air pollutant from a safety relief device, a line or vessel rupture, a sudden equipment failure, or a bypass of an emission control device, regardless of quantity, in the annual emissions report and where otherwise specified. Include the identity of the source, the date and time of the discharge, and the approximate total loss during the discharge.

137 [LAC 33:III.5109.B.3]

Achieve compliance with ambient air standards unless it can be demonstrated to the satisfaction of DEQ that compliance with an ambient air standard would be economically infeasible; that emissions could not reasonably be expected to pose a threat to public health or the environment; and that emissions would be controlled to a level that is Maximum Achievable Control Technology.

Determine the status of compliance, beyond the property line, with applicable ambient air standards listed in LAC 33:III.5112.Table 51.2.

Develop a standard operating procedure (SOP) within 120 days after achieving or demonstrating compliance with the standards specified in LAC 33:III.Chapter 51. Detail in the SOP all operating procedures or parameters established to ensure that compliance with the applicable standards is maintained and address operating procedures for any monitoring system in place, specifying procedures to ensure compliance with LAC 33:III.5113.C.5. Make a written copy of the SOP available on site or at an alternate approved location for inspection by DEQ. Provide a copy of the SOP within 30 days upon request by the department.

Obtain a Louisiana Air Permit in accordance with LAC 33:III.5111.B and C and in accordance with LAC 33:1.1701, before commencement of the construction of any new source.

Obtain a permit modification in accordance with LAC 33:III.5111.B and C before commencement of any modification not specified in a compliance plan submitted under LAC 33:III.5109.D, if the modification will result in an increase in emissions of any toxic air pollutant or will create a new point source.

Do not commence construction or modification of any major source without first obtaining written authorization from DEQ, as specified.

SPECIFIC REQUIREMENTS**AI ID: 1409 - Dow Chemical Co - Louisiana Division****Activity Number: PER20090004****Permit Number: 2190-V1****Air - Title V Regular Permit Minor Mod****UNF 0009 - Environmental Operations Plant**

- 143 [LAC 33:III.5113.B.1] Ensure that all testing done to determine the emission of toxic air pollutants, upon request by the department, is conducted by qualified personnel.
- Provide necessary sampling and testing facilities, exclusive of instruments and sensing devices, as needed to properly determine the emission of toxic air pollutants, upon request of the department.
- Provide emission testing facilities as specified in LAC 33:III.5113.B.4 through e.
- 145 [LAC 33:III.5113.B.4] Analyze samples and determine emissions within 30 days after each emission test has been completed.
- 146 [LAC 33:III.5113.B.5] Submit certified letter: Due to the Office of Environmental Assessment, Environmental Technology Division before the close of business on the 45th day following the completion of the emission test. Report the determinations of the emission test.
- 147 [LAC 33:III.5113.B.5] Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of emissions testing. Retain records of emission test results and other data needed to determine emissions. Retained records at the source, or at an alternate location approved by DEQ for a minimum of two years, and make available upon request for inspection by DEQ.
- 148 [LAC 33:III.5113.B.6] Submit notification: Due to the Office of Environmental Assessment, Environmental Technology Division at least 30 days before the emission test. Submit notification of emission test to allow DEQ the opportunity to have an observer present during the test.
- Maintain and operate each monitoring system in a manner consistent with good air pollution control practices for minimizing emissions. Repair or adjust any breakdown or malfunction of the monitoring system as soon as practicable after its occurrence.
- 149 [LAC 33:III.5113.B.7] Submit notification in writing: Due to the Office of Environmental Assessment, Environmental Technology Division at least 30 days before a performance evaluation of the monitoring system is to begin.
- 150 [LAC 33:III.5113.C.1] Submit performance evaluation report: Due to the Office of Environmental Assessment, Environmental Technology Division within 60 days of the monitoring system performance evaluation.
- Conduct performance evaluation of the monitoring system when required at any other time requested by DEQ.
- 151 [LAC 33:III.5113.C.2] Install a monitoring system on each effluent or on the combined effluent, when monitoring is required and the effluents from a single source, or from two or more sources subject to the same emission standards, are combined before being released to the atmosphere. If two or more sources are not subject to the same emission standards, install a separate monitoring system on each effluent, unless otherwise specified. If the applicable standard is a mass emission standard and the effluent from one source is released to the atmosphere through more than one point, install a monitoring system at each emission point unless DEQ approves the installation of fewer systems.
- 152 [LAC 33:III.5113.C.2] Evaluate the performance of continuous monitoring systems, upon request by DEQ, in accordance with the requirements and procedures contained in the applicable performance specification of 40 CFR Part 60, appendix B.
- 153 [LAC 33:III.5113.C.2] Submit report: Due to DEQ within 60 days of the performance evaluation of the CMS, if requested. Furnish DEQ with two or more copies of a written report of the test results within 60 days.
- 154 [LAC 33:III.5113.C.3] Install all continuous monitoring systems or monitoring devices to make representative measurements under variable process or operating parameters, if required to install a CMS.
- 155 [LAC 33:III.5113.C.5.a] Collect and reduce all data as specified in LAC 33:III.5113.C.5.e.i and ii, if required to install a CMS.
- 156 [LAC 33:III.5113.C.5.a] Submit plan: Due to the Office of Environmental Assessment, Environmental Technology Division within 90 days after DEQ requests either the initial plan or an updated plan, if required by DEQ to install a continuous monitoring system. Submit for approval a plan describing the affected sources and the methods for ensuring compliance with the continuous monitoring system.

TPOR0147

Page 12 of 13

SPECIFIC REQUIREMENTS

AI ID: 1409 - Dow Chemical Co - Louisiana Division
Activity Number: PER20090004
Permit Number: 2190-V1
Air - Title V Regular Permit Minor Mod

UNF 0009 - Environmental Operations Plant

- 160 [LAC 33:III.5113.C.7] Maintain records of monitoring data, monitoring system calibration checks, and the occurrence and duration of any period during which the monitoring system is malfunctioning or inoperative. Maintain these records at the source, or at an alternative location approved by DEQ, for a minimum of three years and make available, upon request, for inspection by DEQ.
- 161 [LAC 33:III.535] Permittee shall comply with the Part 70 General Conditions as set forth in LAC 33:III.535 and the Louisiana General Conditions as set forth in LAC 33:III.537 [LAC 33:III.535, LAC 33:III.537]. [LAC 33:III.537]
- 162 [LAC 33:III.5609.A.1.b] Activate the preplanned abatement strategy listed in LAC 33:III.5611. Table 5 when the administrative authority declares an Air Pollution Alert.
- 163 [LAC 33:III.5609.A.2.b] Activate the preplanned strategy listed in LAC 33:III.5611. Table 6 when the administrative authority declares an Air Pollution Warning.
- 164 [LAC 33:III.5609.A.3.b] Activate the preplanned abatement strategy listed in LAC 33:III.5611. Table 7 when the administrative authority declares an Air Pollution Emergency.
- 165 [LAC 33:III.5609.A] Prepare standby plans for the reduction of emissions during periods of Air Pollution Alert, Air Pollution Warning and Air Pollution Emergency. Design standby plans to reduce or eliminate emissions in accordance with the objectives as set forth in LAC 33:III.5611. Tables 5, 6, and 7. Comply with the provisions in 40 CFR 68, except as specified in LAC 33:III.5901.
- 166 [LAC 33:III.5901.A] Identify hazards that may result from accidental releases of the substances listed in 40 CFR 68.130, Table 59.0 of LAC 33:III.5907, or Table 59.1 of LAC 33:III.5913 using appropriate hazard assessment techniques, design and maintain a safe facility, and minimize the off-site consequences of accidental releases of such substances that do occur.
- 167 [LAC 33:III.5907] Submit Emission Inventory (EI)/Annual Emissions Statement: Due annually, by the 31st of March for the period January 1 to December 31 of the previous year unless otherwise directed. Submit emission inventory data in the format specified by the Office of Environmental Assessment, Environmental Evaluation Division. Include all data applicable to the emissions source(s), as specified in LAC 33:III.919.A-D.
- 168 [LAC 33:III.919.D] Report the unauthorized discharge of any air pollutant into the atmosphere in accordance with LAC 33:1.Chapter 39, Notification Regulations and Procedures for Unauthorized Discharges. Submit written reports to the department pursuant to LAC 33:1.3925. Submit timely and appropriate follow-up reports detailing methods and procedures to be used to prevent similar atmospheric releases.
- 169 [LAC 33:III.927] Conduct emission tests as set forth in accordance with Test Methods of 40 CFR, parts 60, 61, and 63 or in accordance with alternative test methods approved by DEQ. [LAC 33:III.5113.B.2]

PUBLIC NOTICE
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY (LDEQ)
THE DOW CHEMICAL COMPANY - LOUISIANA OPERATIONS
ENVIRONMENTAL OPERATIONS PLANT
PROPOSED PART 70 AIR OPERATING PERMIT MODIFICATION

The LDEQ, Office of Environmental Services, is accepting written comments on the proposed Part 70 air operating permit modification for The Dow Chemical Company – Louisiana Operations, Post Office Box 150, Plaquemine, Louisiana 70765 for the Environmental Operations Plant. The facility is located at 21255 Highway 1, Plaquemine, Iberville Parish.

This Notice is being published under LAC 33:III.5107.D public notice requirements only. This proposed permit does not require to be reviewed by EPA.

The Dow Chemical Company – Louisiana Operations requested the following:

- Delete I-200 Rotary Kiln Incinerator (EQT452), Incinerator Area Fugitive emissions (Fug12), two storage tanks (EQT475-476), and GRP071;
- Include Insignificant Activity for a belt press tank;
- List EQT838 for Tank T-3B Storage Tank instead of EQT495;
- Reconcile source emissions based on the most current emission estimating methodology.

Permitted emissions from the plants in tons per year are as follows:

Pollutant	Before	After	Change
PM ₁₀	39.1	35.41	-3.69
SO ₂	24.5	0.80	-23.70
NO _x	113.0	78.10	-34.90
CO	46.3	18.30	-28.00
VOC	54.4	72.63	+18.23

A technical review of the working draft of the proposed permit was submitted to the facility representative and the LDEQ Surveillance Division. Any remarks received during the technical review will be addressed in the “Worksheet for Technical Review of Working Draft of Proposed Permit”. All remarks received by LDEQ are included in the record that is available for public review.

Written comments, written requests for a public hearing or written requests for notification of the final decision regarding this permit action may be submitted to Ms. Soumaya Ghosn at LDEQ, Public Participation Group, P.O. Box 4313, Baton Rouge, LA 70821-4313. **Written comments and/or written requests must be received by 12:30 p.m., DAY, MONTH DATE, YEAR.** Written comments will be considered prior to a final permit decision.

If LDEQ finds a significant degree of public interest, a public hearing will be held. LDEQ will send notification of the final permit decision to the applicant and to each person who has submitted written comments or a written request for notification of the final decision.

The permit application, the proposed permit, and the statement of basis are available for review at the LDEQ, Public Records Center, Room 127, 602 North 5th Street, Baton Rouge, LA. Viewing hours are from 8:00 a.m. to 4:30 p.m., Monday through Friday (except holidays). **The available information can also be accessed electronically on the Electronic Document Management System (EDMS) on the DEQ public website at www.deq.louisiana.gov.**

Additional copies may be reviewed at NAME AND PHYSICAL ADDRESS OF LIBRARY OR OTHER REPOSITORY.

Inquiries or requests for additional information regarding this permit action should be directed to Tuongvan Nguyen, LDEQ, Air Permits Division, P.O. Box 4313, Baton Rouge, LA 70821-4313, phone (225) 219-3054.

Persons wishing to be included on the LDEQ permit public notice mailing list or for other public participation related questions should contact the Public Participation Group in writing at LDEQ, P.O. Box 4313, Baton Rouge, LA 70821-4313, by email at deqmaillistrequest@la.gov or contact the LDEQ Customer Service Center at (225) 219-LDEQ (219-5337).

Permit public notices including electronic access to the proposed permit and statement of basis can be viewed at the LDEQ permits public notice webpage at www.deq.louisiana.gov/apps/pubNotice/default.asp and general information related to the public participation in permitting activities can be viewed at www.deq.louisiana.gov/portal/tabid/2198/Default.aspx.

Alternatively, individuals may elect to receive the permit public notices via email by subscribing to the LDEQ permits public notice List Server at http://www.doa.louisiana.gov/oes/listservpage/ldeq_pn_listserv.htm.

All correspondence should specify AI Number 1409, Permit Number P2190-V1, and Activity Number PER20090004.